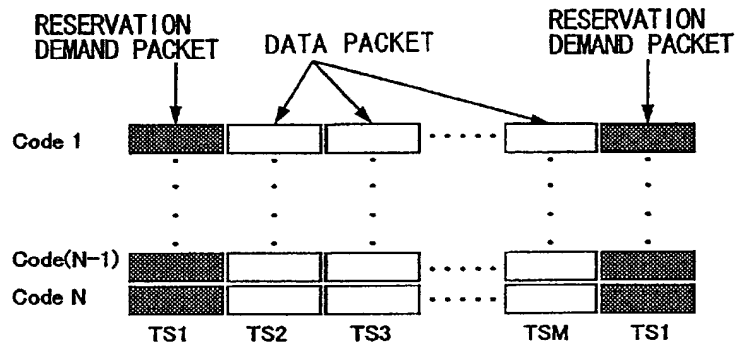


FIG. 1



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FIG. 2

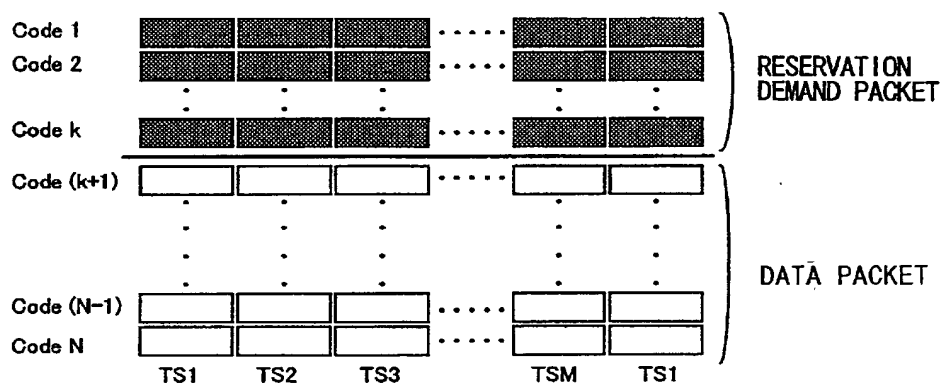


FIG. 3

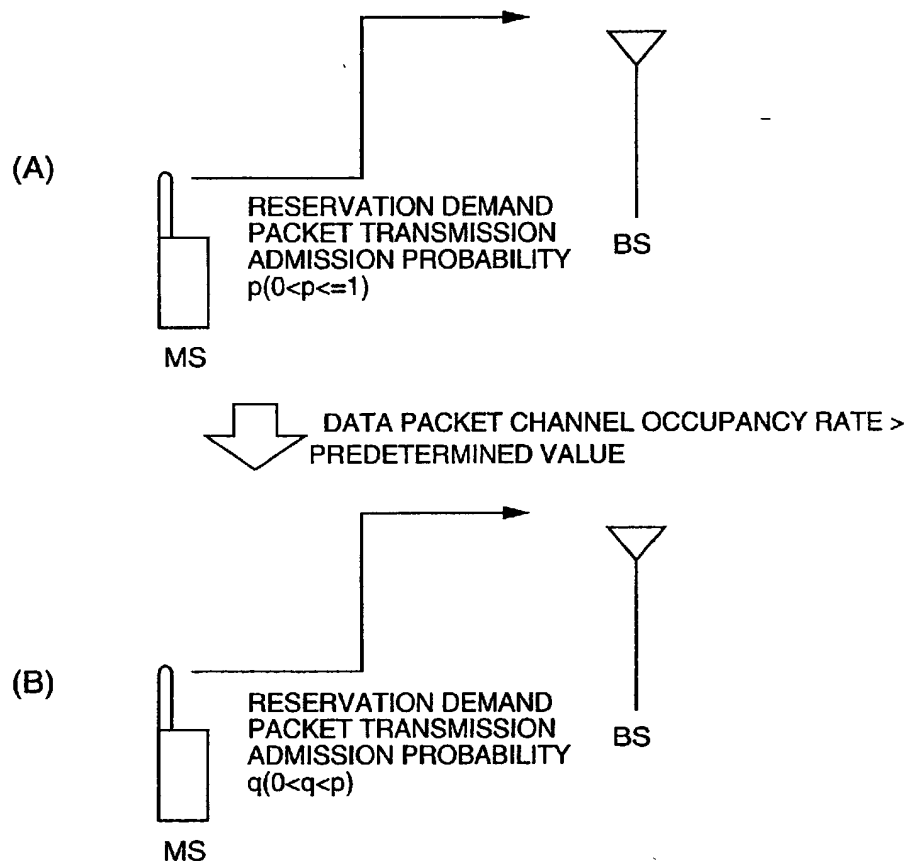


FIG. 4

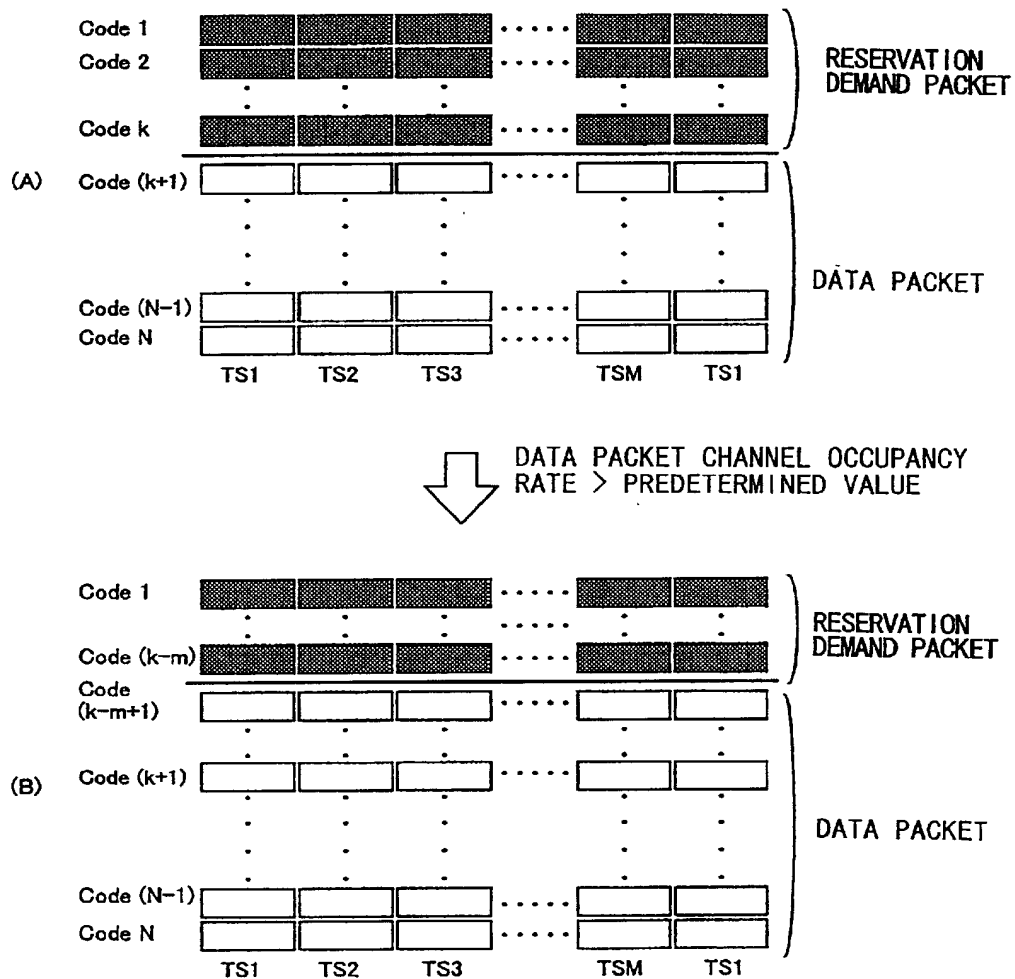


FIG. 5

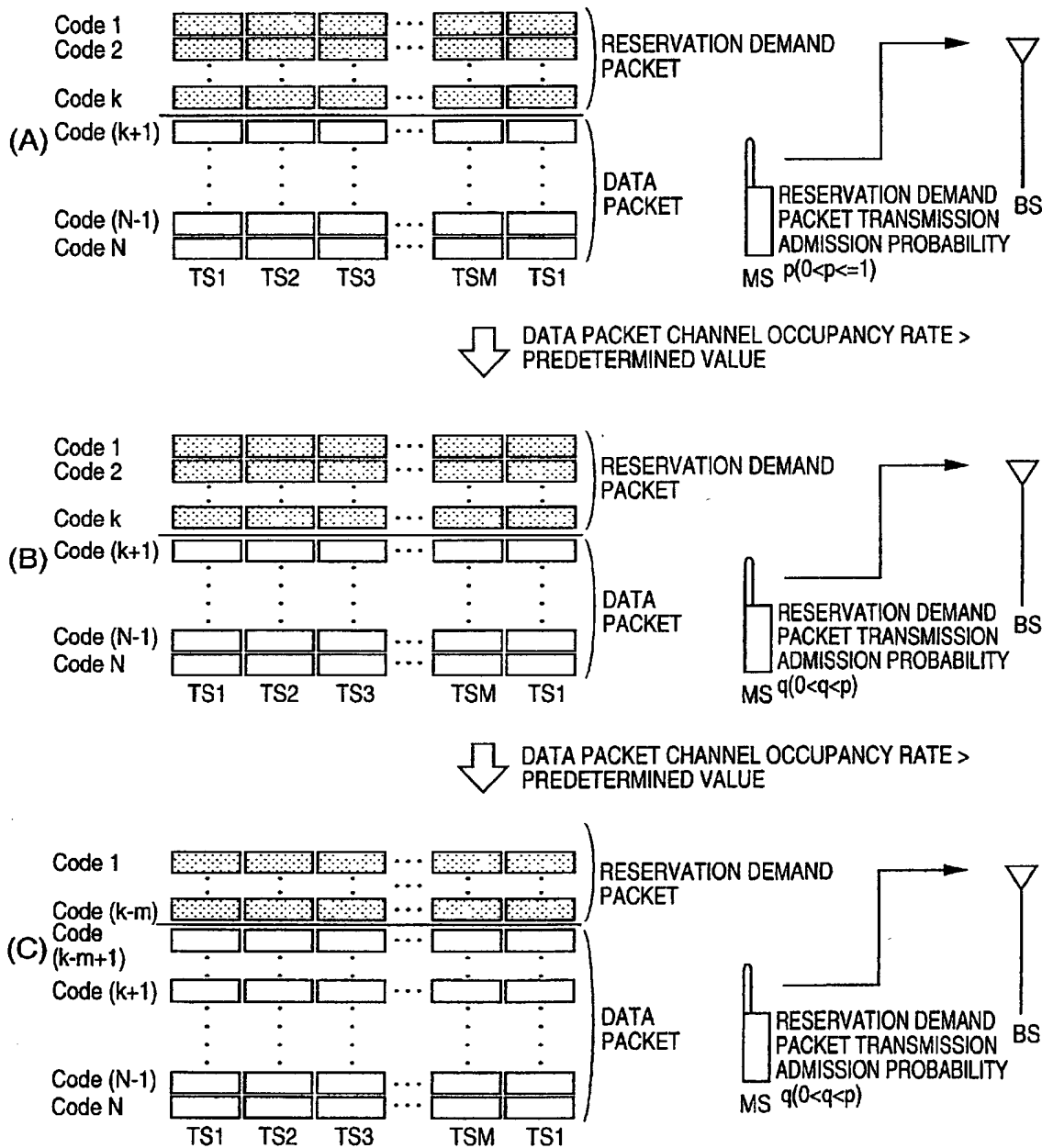


FIG. 6

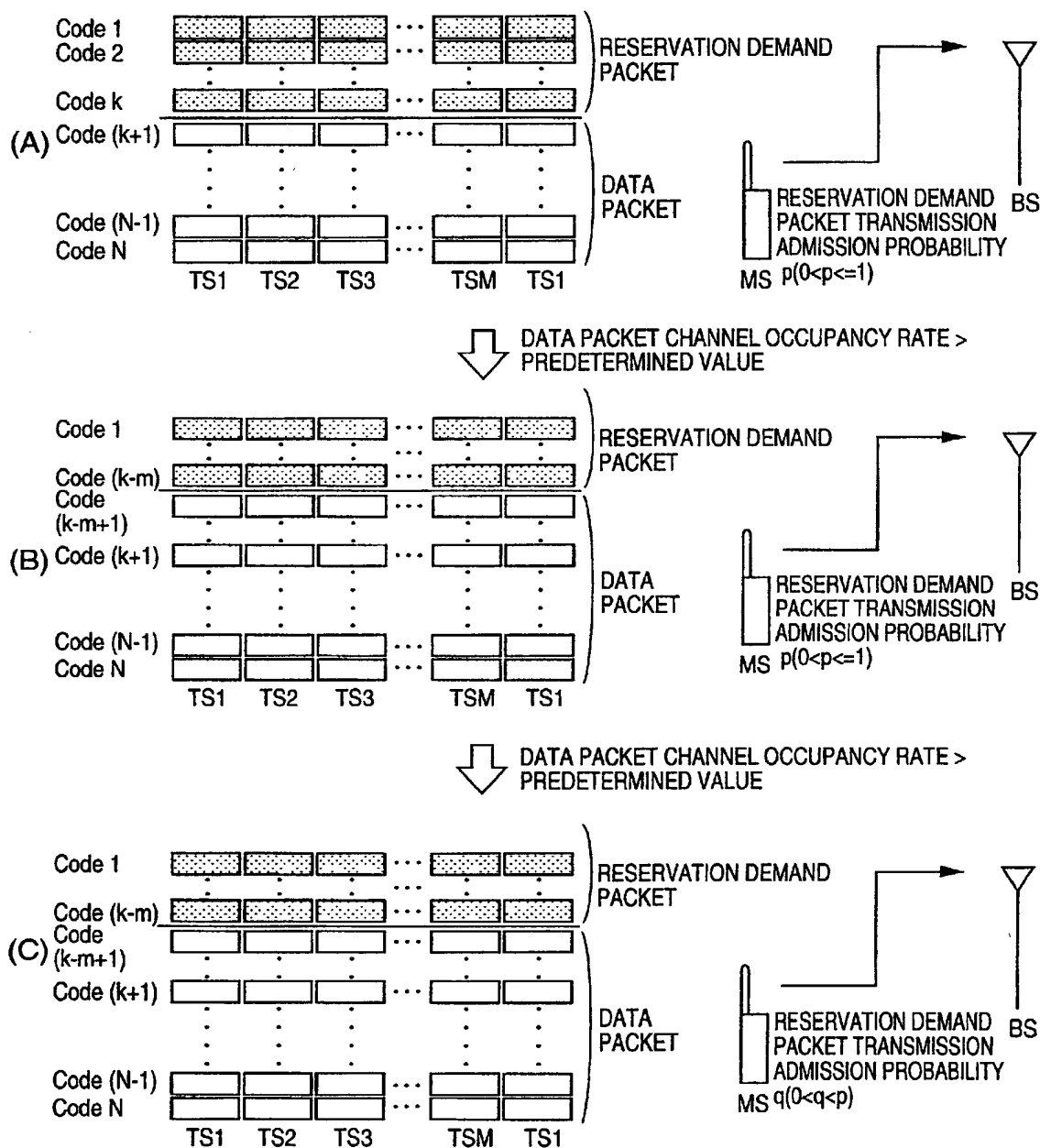


FIG. 7

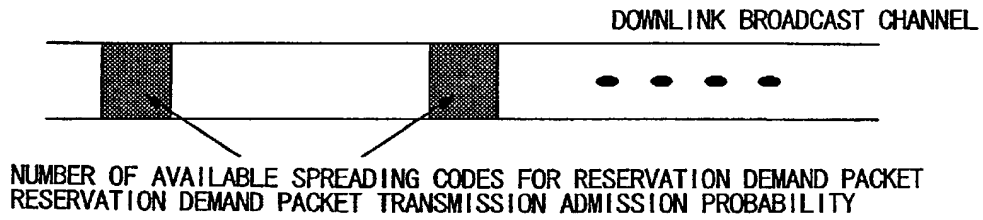


FIG. 8

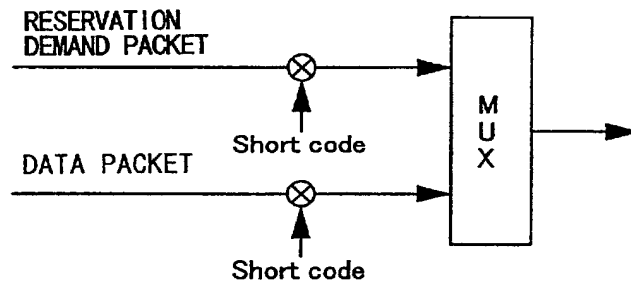


FIG. 9

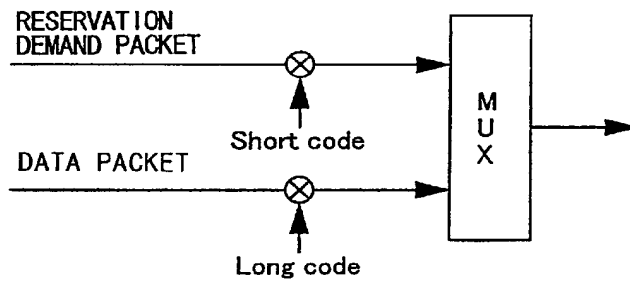


FIG. 10

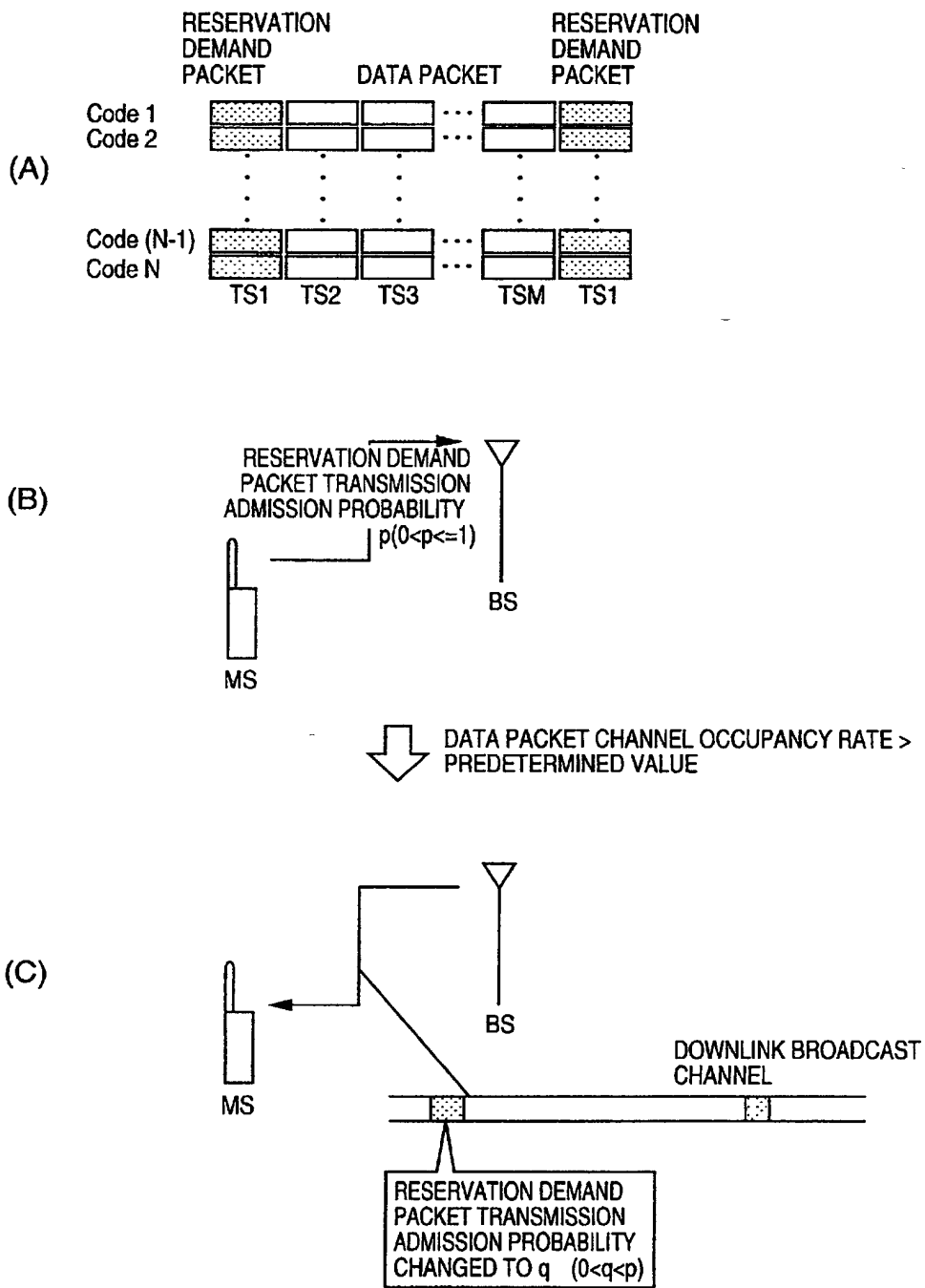


FIG. 11

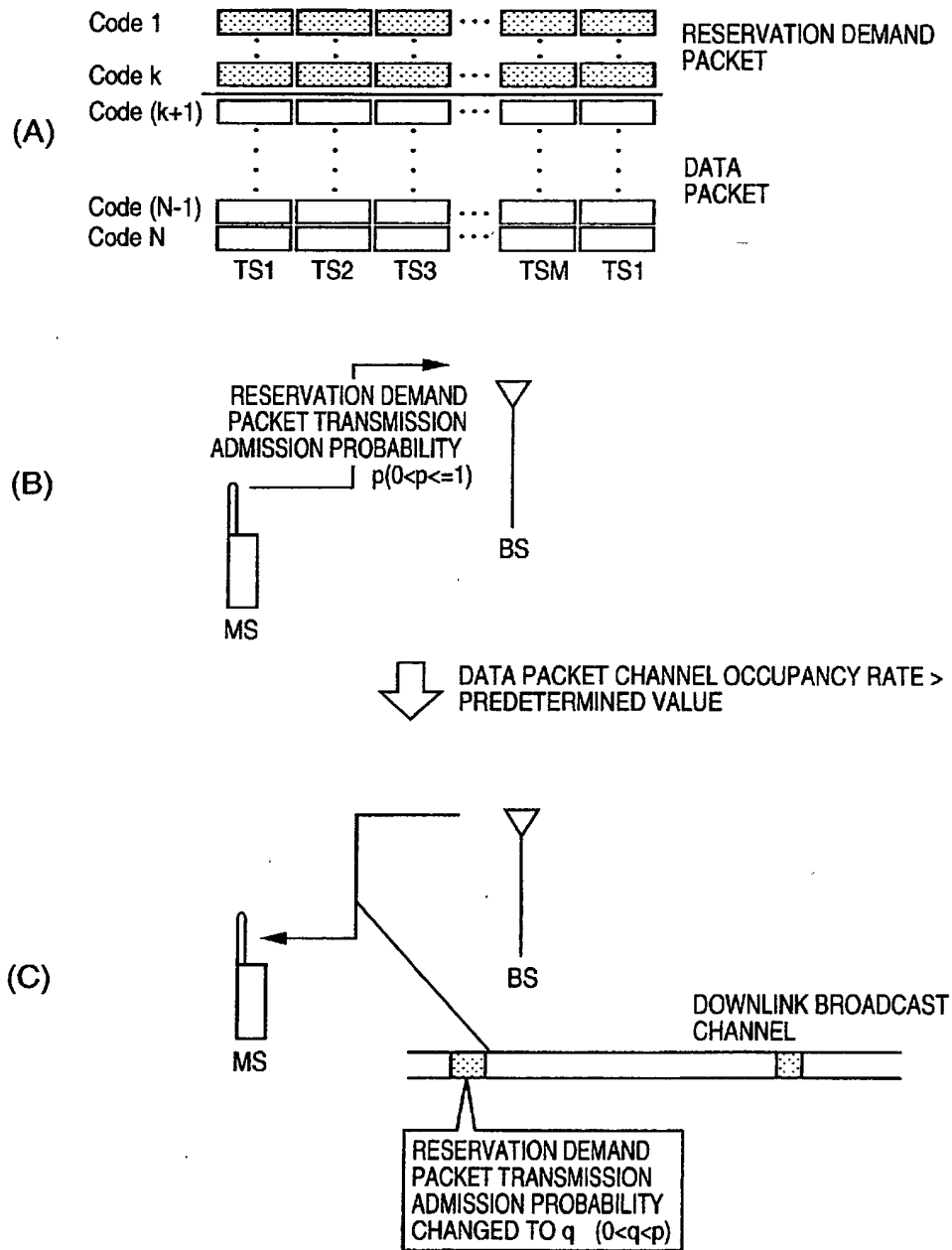


FIG. 12

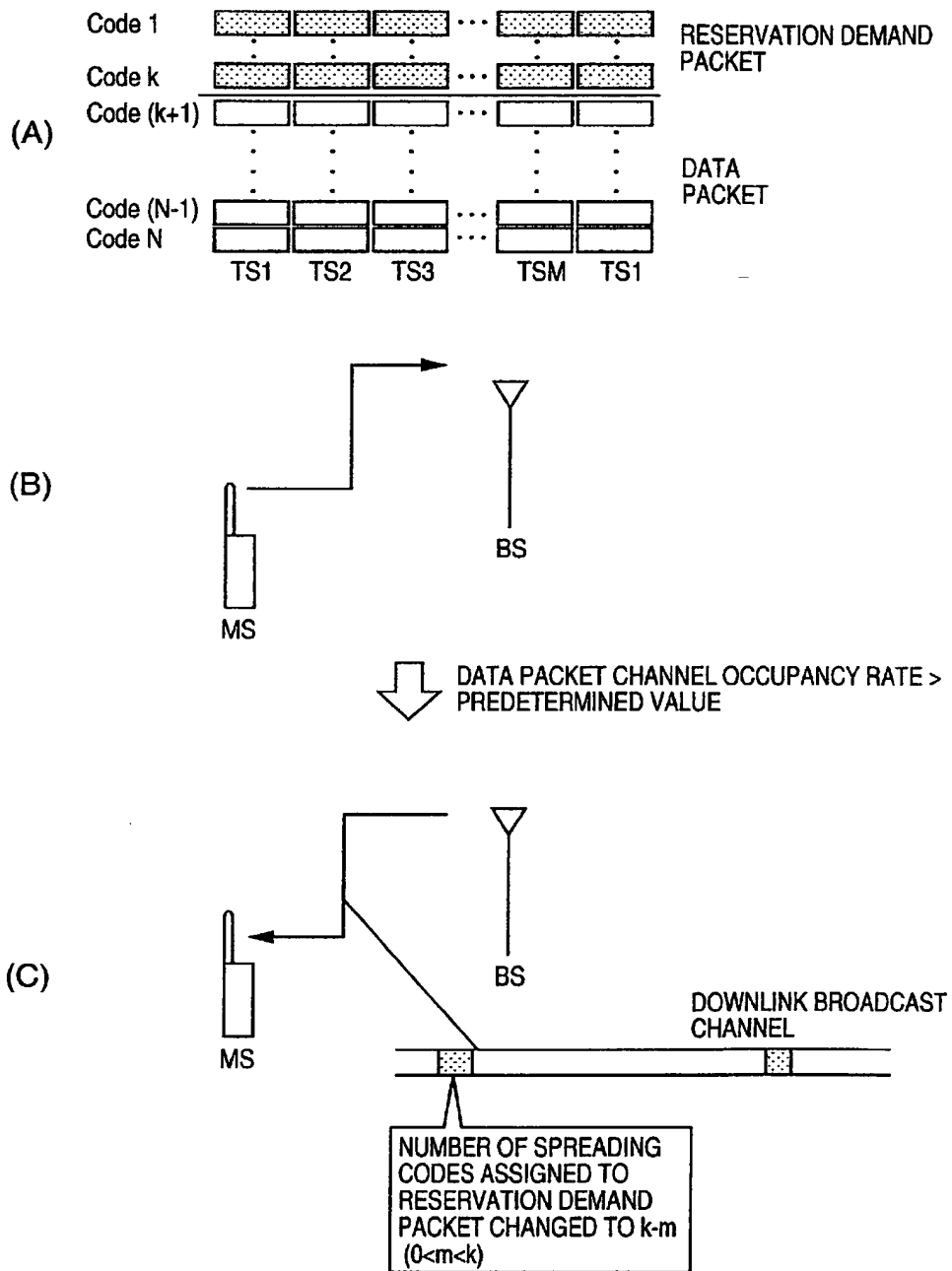


FIG. 13

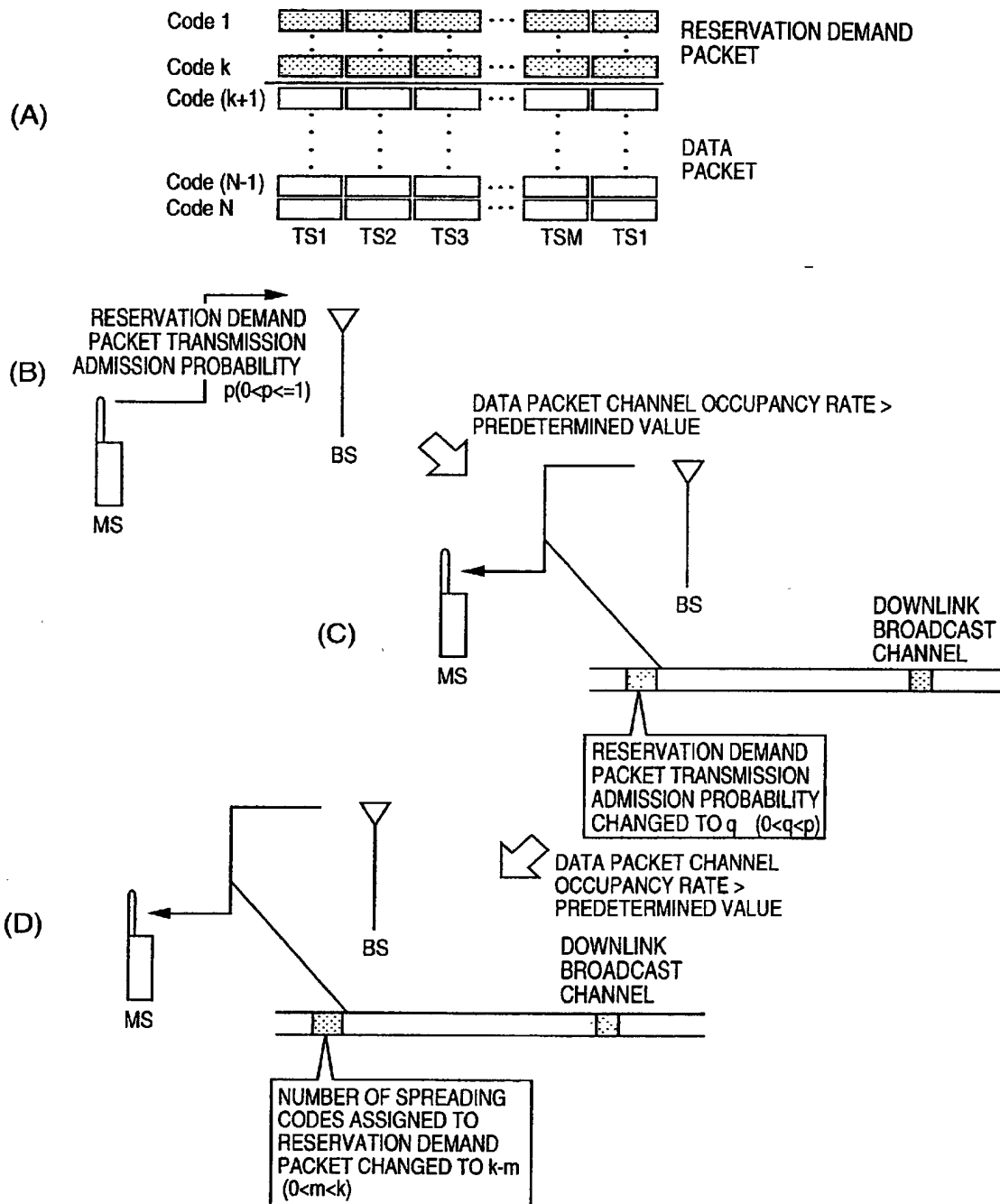


FIG. 14

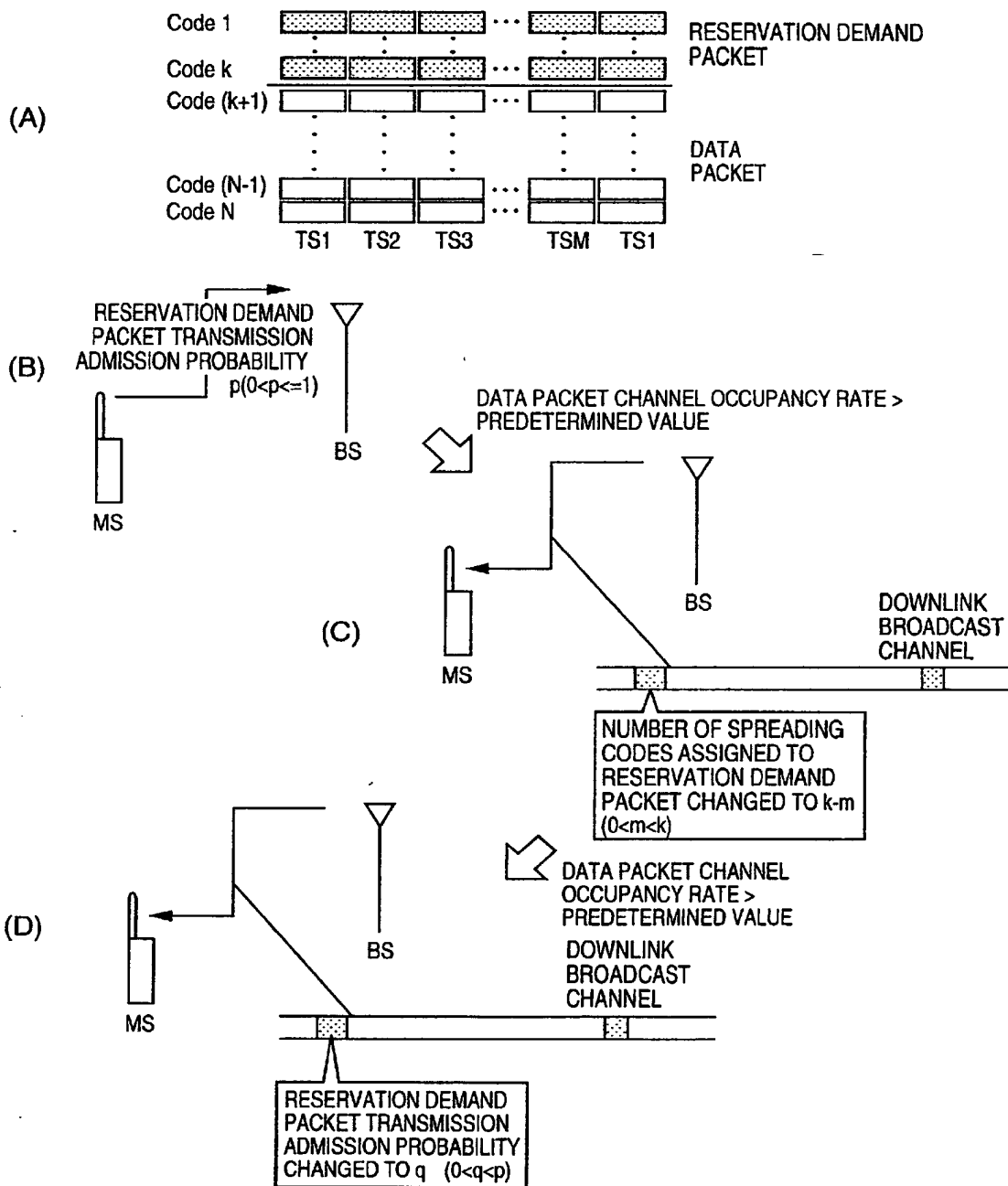


FIG. 15

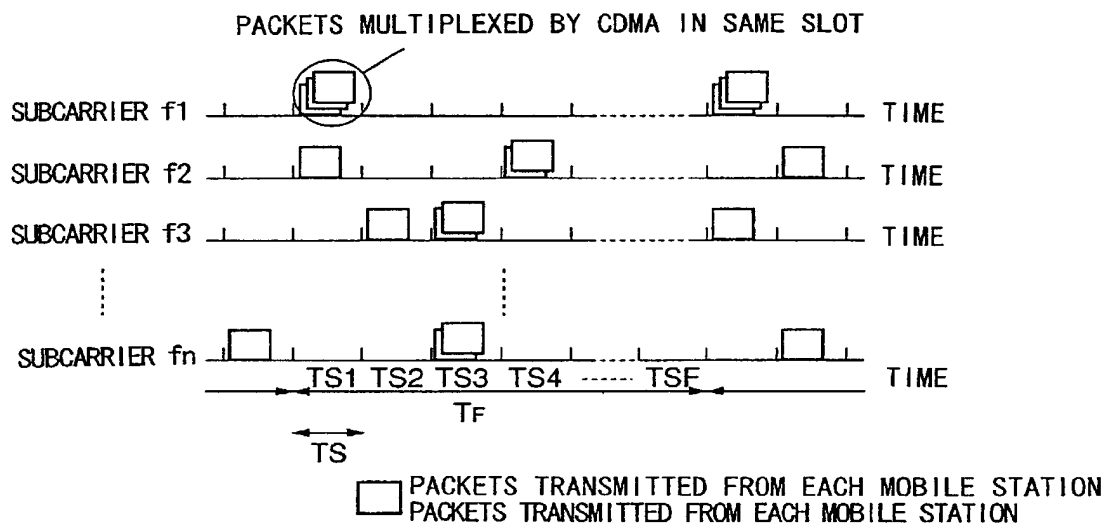


FIG. 16

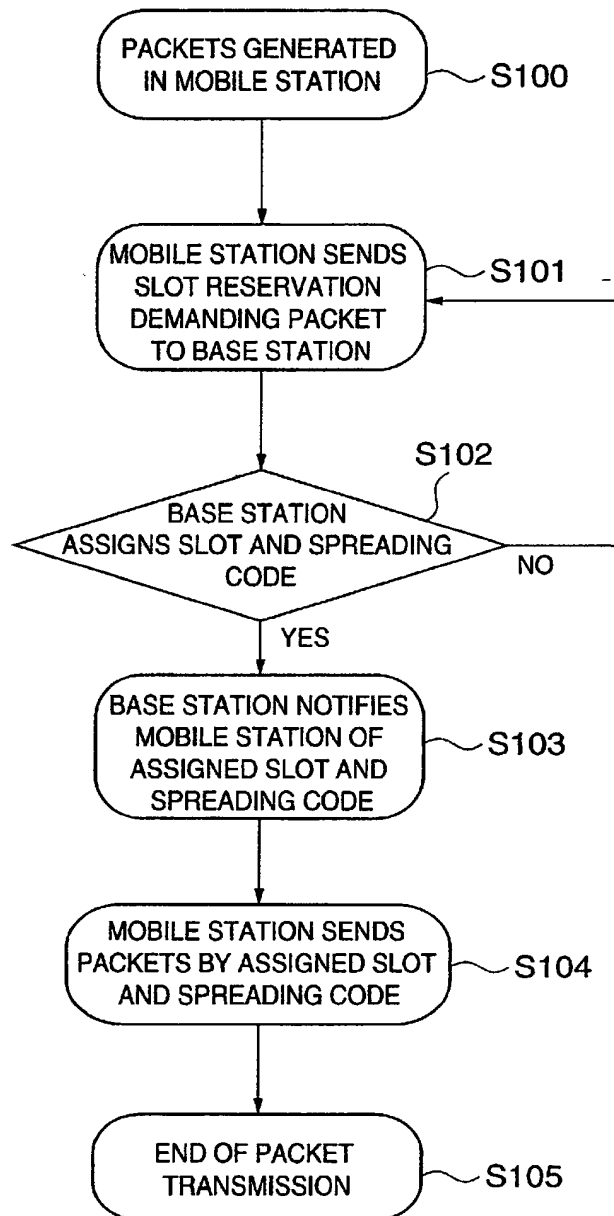
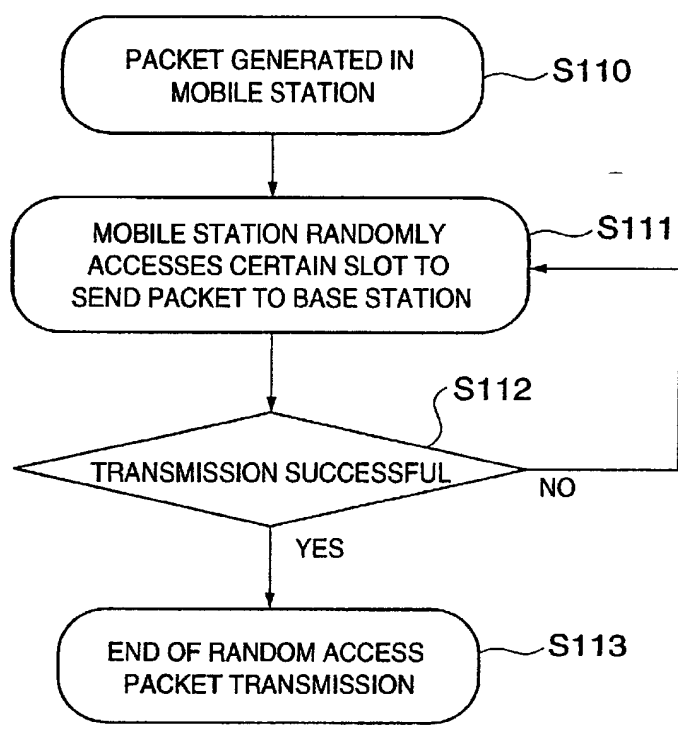


FIG. 17



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FIG. 18

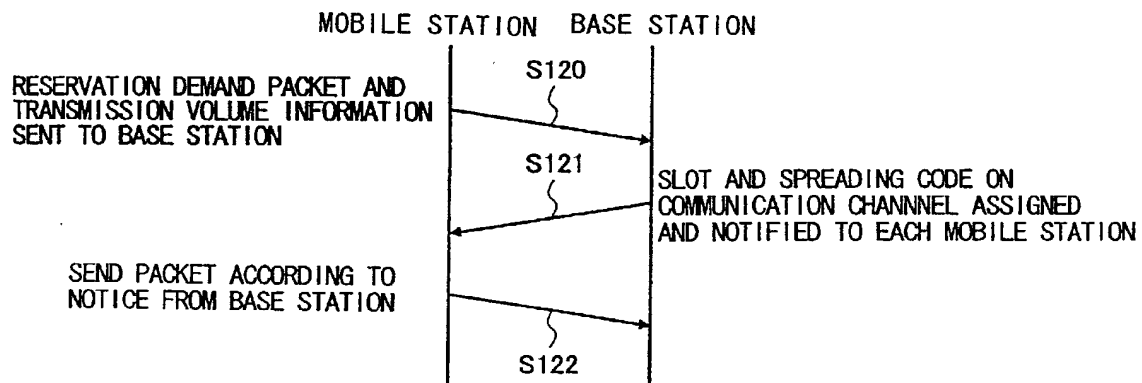
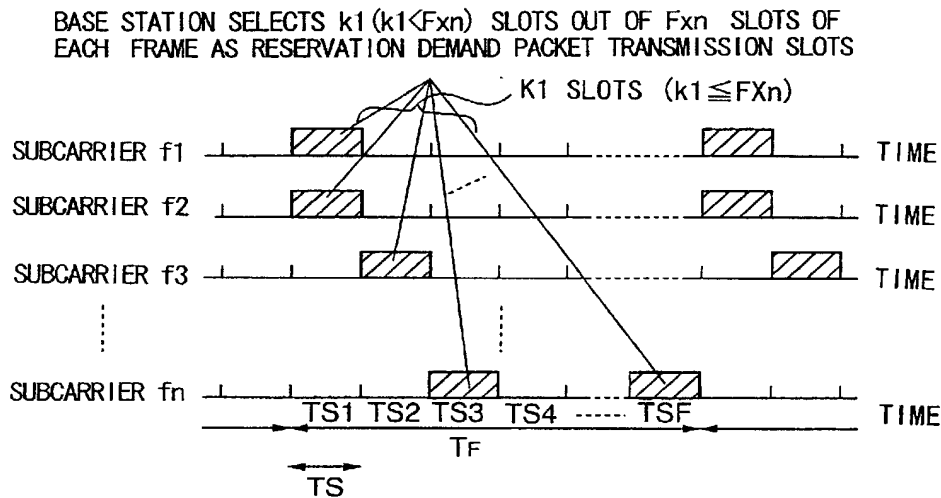


FIG. 19



 RESERVATION DEMAND PACKET TRANSMISSION SLOTS
(CAPABLE OF SIMULTANEOUS TRANSMISSION OF m_1 RESERVATION
DEMAND PACKETS BY m_1 SPREADING CODES WITHIN SLOT)

FIG. 20

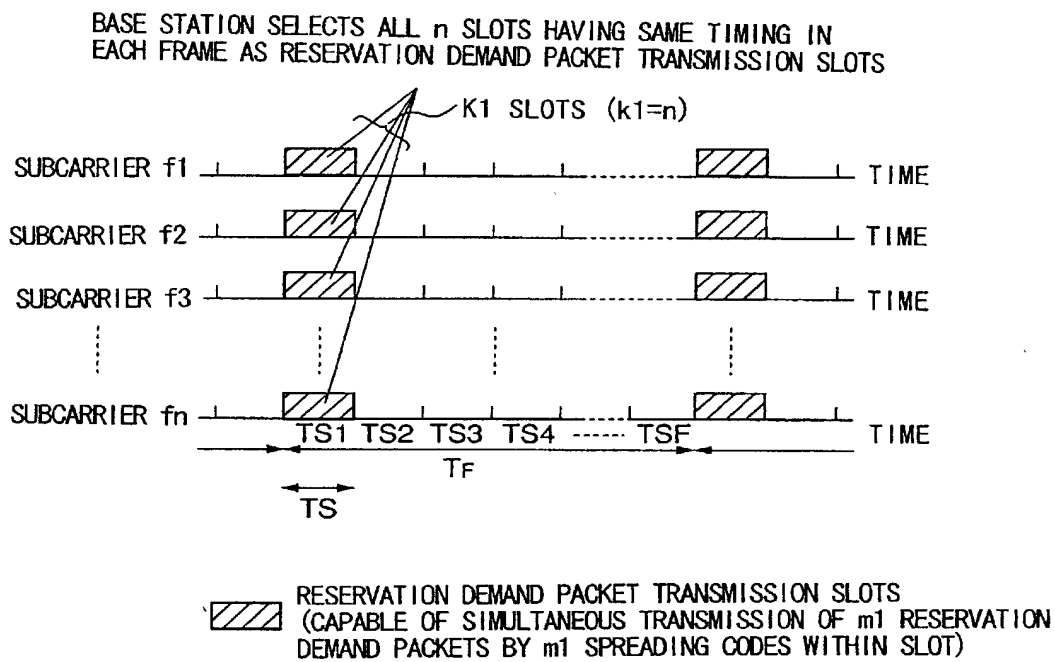
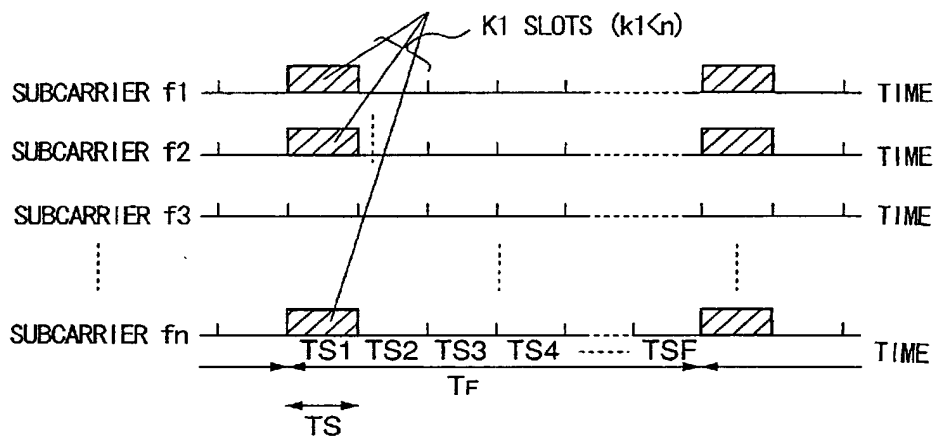


FIG. 21

BASE STATION SELECTS ALL $k_1 (k_1 < n)$ SLOTS OUT OF n SLOTS HAVING SAME TIMING IN EACH FRAME AS RESERVATION DEMAND PACKET TRANSMISSION SLOTS (ARBITRARY SELECTION FROM n SLOTS)




 RESERVATION DEMAND PACKET TRANSMISSION SLOTS
(CAPABLE OF SIMULTANEOUS TRANSMISSION OF m_1 RESERVATION DEMAND PACKETS BY m_1 SPREADING CODES WITHIN SLOT)

FIG. 22

BASE STATION SELECTS ALL F SLOTS IN EACH FRAME IN SAME
 SUBCARRIER AS RESERVATION DEMAND PACKET TRANSMISSION SLOTS
 (ARBITRARY SELECTION OF SUBCARRIER)

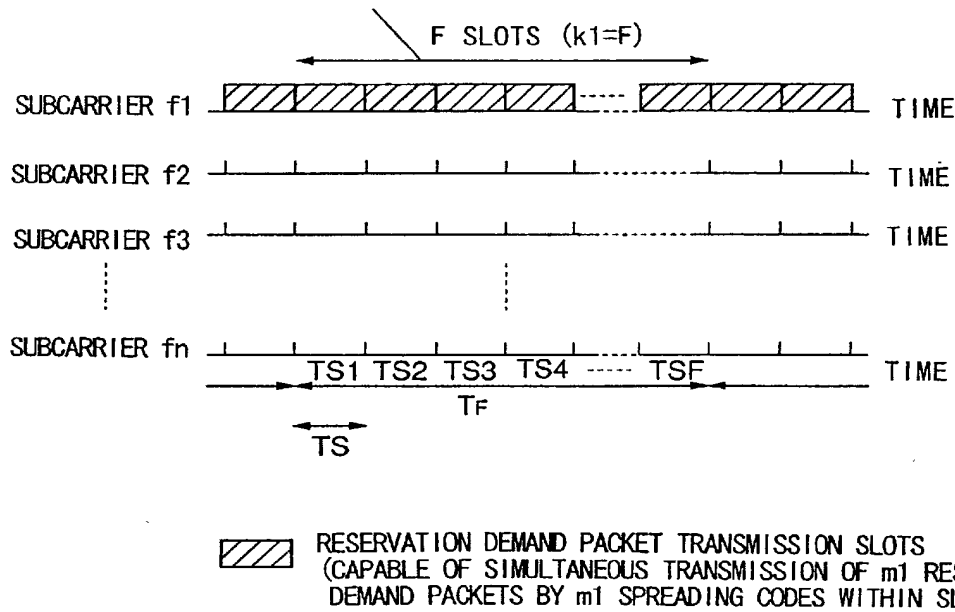
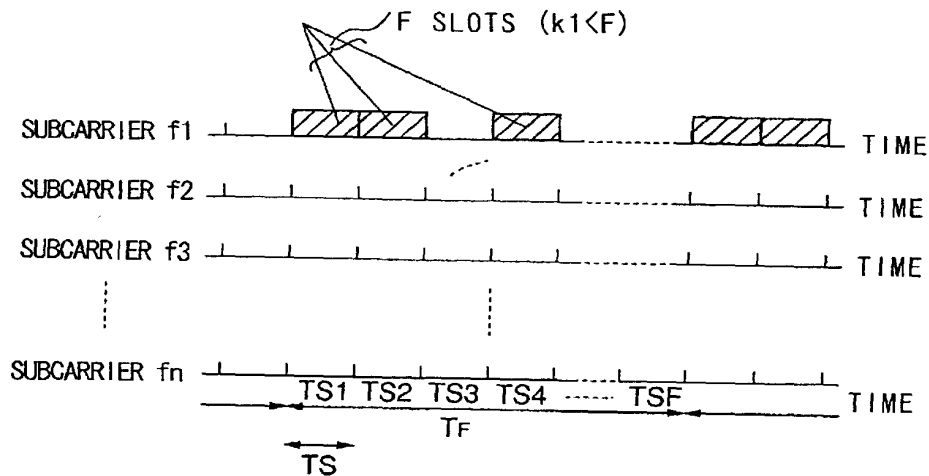


FIG. 23

BASE STATION SELECTS k_1 SLOTS OUT OF F SLOTS IN EACH FRAME OF SAME SUBCARRIER AS RESERVATION DEMAND PACKET TRANSMISSION SLOTS (ARBITRARY SELECTION OF SUBCARRIERS AND n SLOTS)




 RESERVATION DEMAND PACKET TRANSMISSION SLOTS
(CAPABLE OF SIMULTANEOUS TRANSMISSION OF m_1 RESERVATION
DEMAND PACKETS BY m_1 SPREADING CODES WITHIN SLOT)

FIG. 24

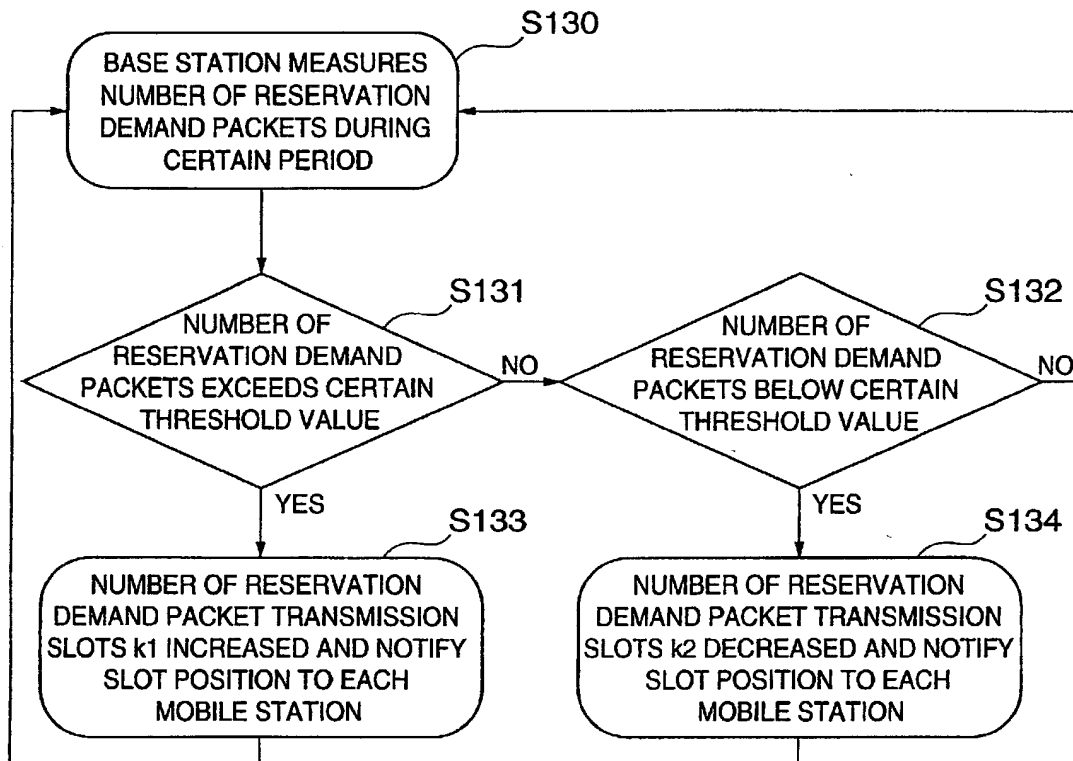
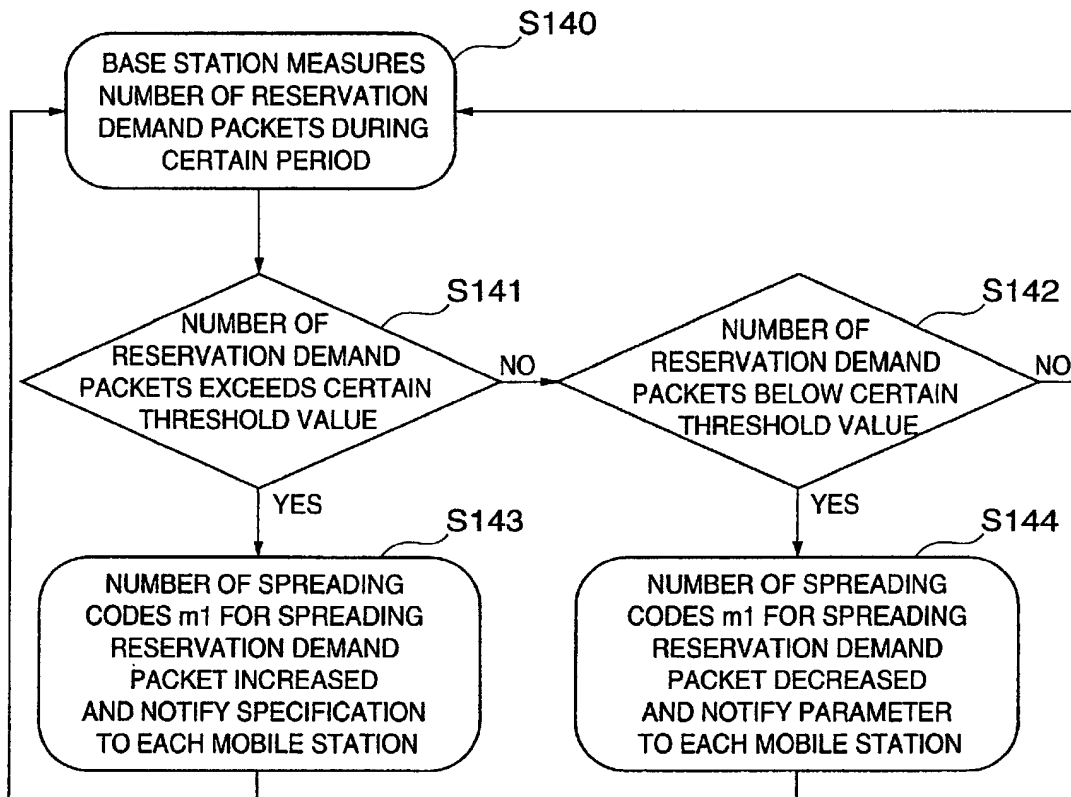


FIG. 25



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FIG. 26

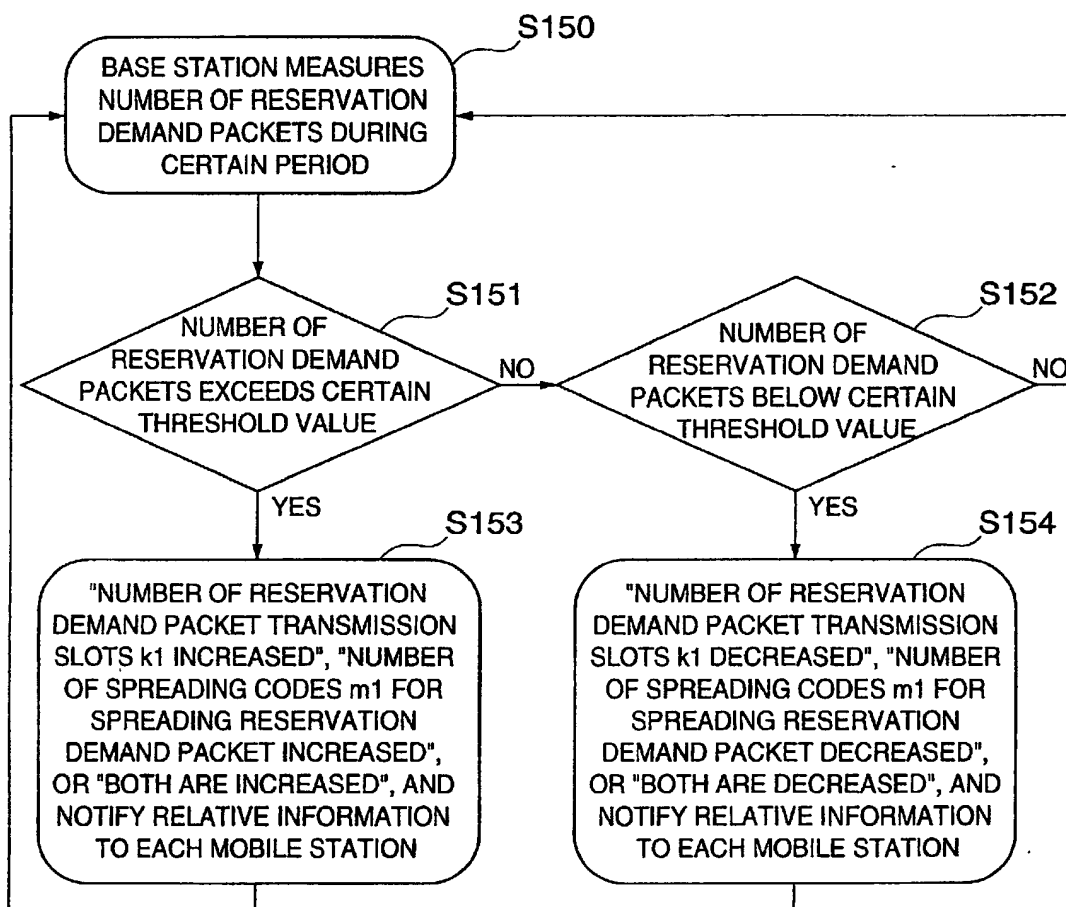


FIG. 27

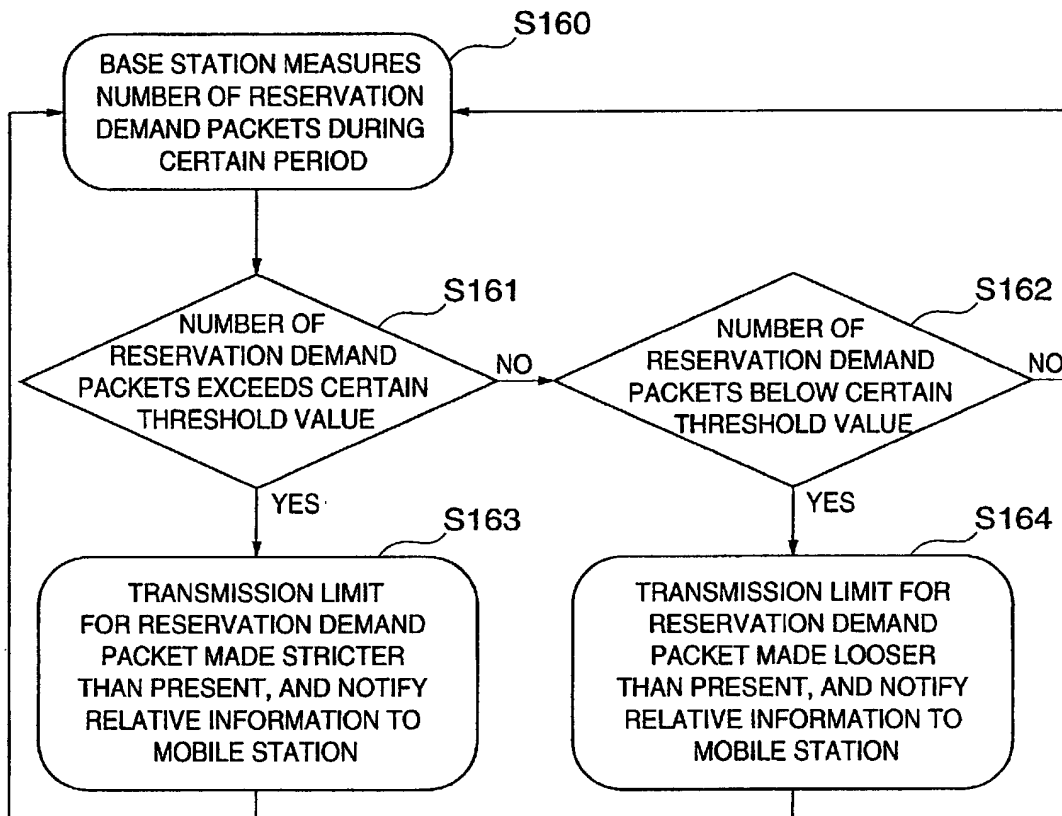
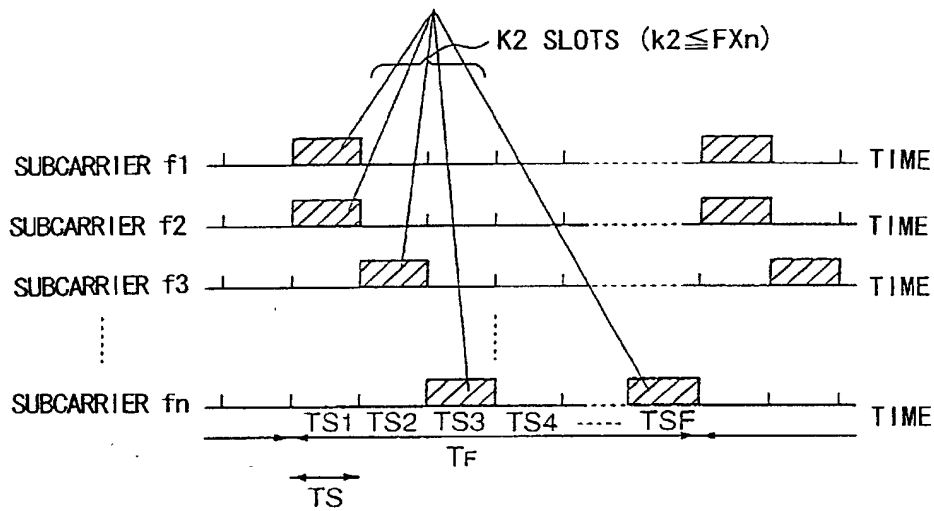


FIG. 28

BASE STATION SELECTS k_2 ($k_2 \leq F_{xn}$) SLOTS OUT OF F_{xn} SLOTS
IN EACH FRAME AS RANDOM ACCESS PACKET TRANSMISSION SLOTS



 RANDOM ACCESS PACKET TRANSMISSION SLOTS
(CAPABLE OF SIMULTANEOUS TRANSMISSION OF m_2 RANDOM
ACCESS PACKETS BY m_2 SPREADING CODES WITHIN SLOT)

FIG. 29

BASE STATION SELECTS ALL n SLOTS OF SAME TIMING IN EACH FRAME AS RANDOM ACCESS PACKET TRANSMISSION SLOTS

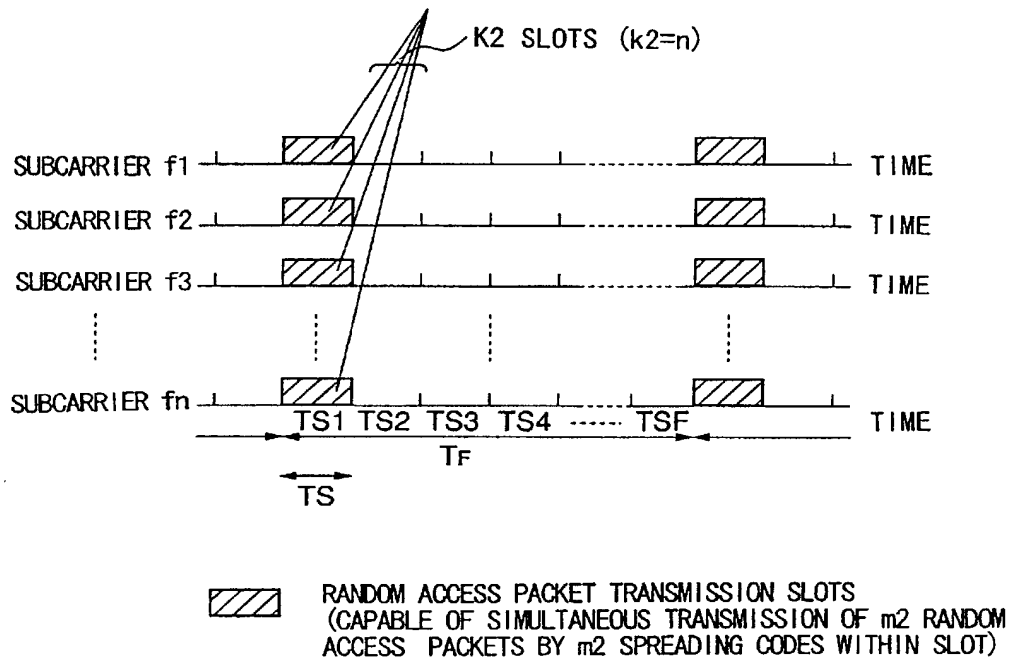


FIG. 30

BASE STATION SELECTS k_2 ($k_2 \leq n$) SLOTS OUT OF n SLOTS OF SAME TIMING IN EACH FRAME AS RANDOM ACCESS PACKET TRANSMISSION SLOTS (ARBITRARY SELECTION FROM n SLOTS)

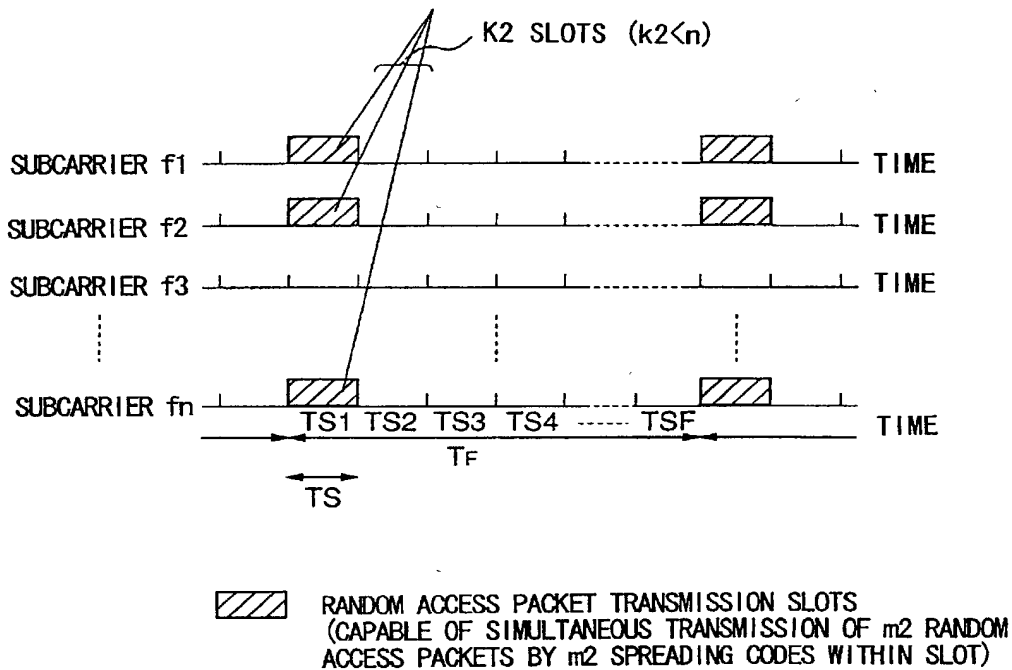
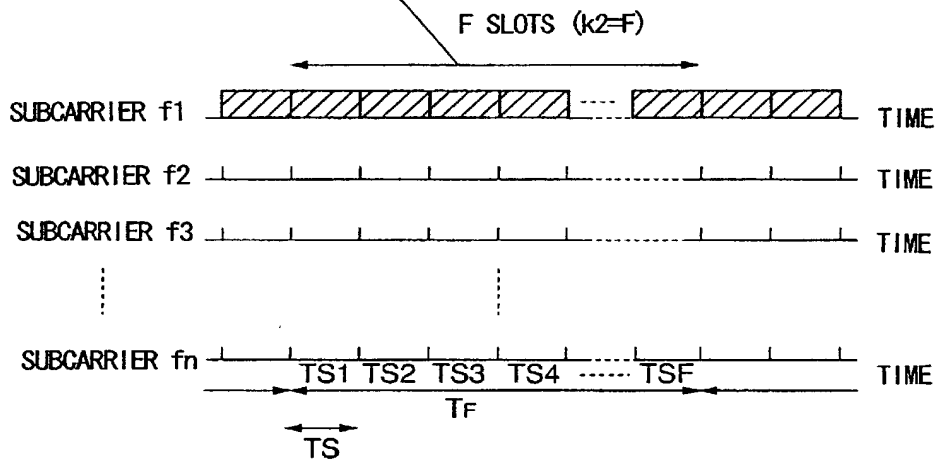


FIG. 31

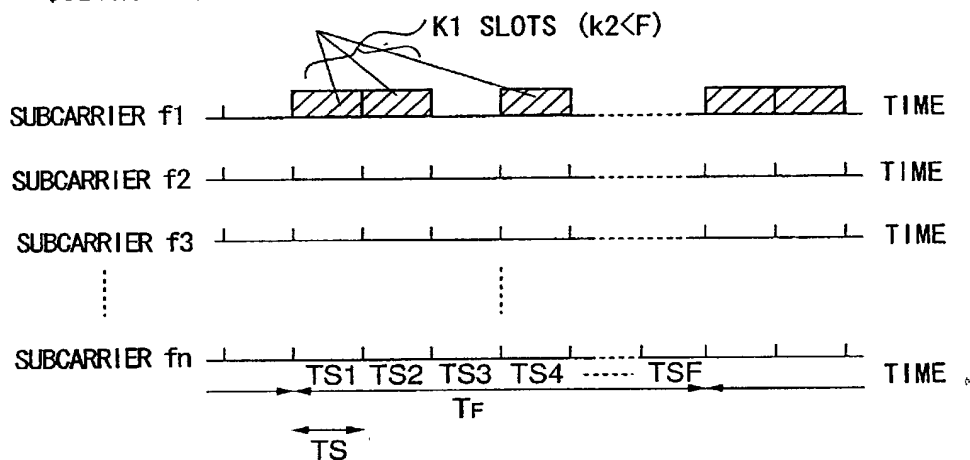
BASE STATION SELECTS ALL F SLOTS IN EACH FRAME OF SAME
SUBCARRIER AS RANDOM PACKET TRANSMISSION SLOTS
(ARBITRARY SELECTION OF SUBCARRIER)



 RANDOM ACCESS PACKET TRANSMISSION SLOTS
(CAPABLE OF SIMULTANEOUS TRANSMISSION OF m_2 RANDOM
ACCESS PACKETS BY m_2 SPREADING CODES WITHIN SLOT)

FIG. 32

BASE STATION SELECTS k_2 ($k_2 \leq F$) SLOTS FROM F SLOTS IN EACH FRAME
OF SAME SUBCARRIER AS RANDOM ACCESS PACKET TRANSMISSION SLOTS
(ARBITRARY SELECTION OF SUBCARRIERS AND k_2 SLOTS)



 RANDOM ACCESS PACKET TRANSMISSION SLOTS
(CAPABLE OF SIMULTANEOUS TRANSMISSION OF m_2 RANDOM
ACCESS PACKETS BY m_2 SPREADING CODES WITHIN SLOT)

FIG. 33

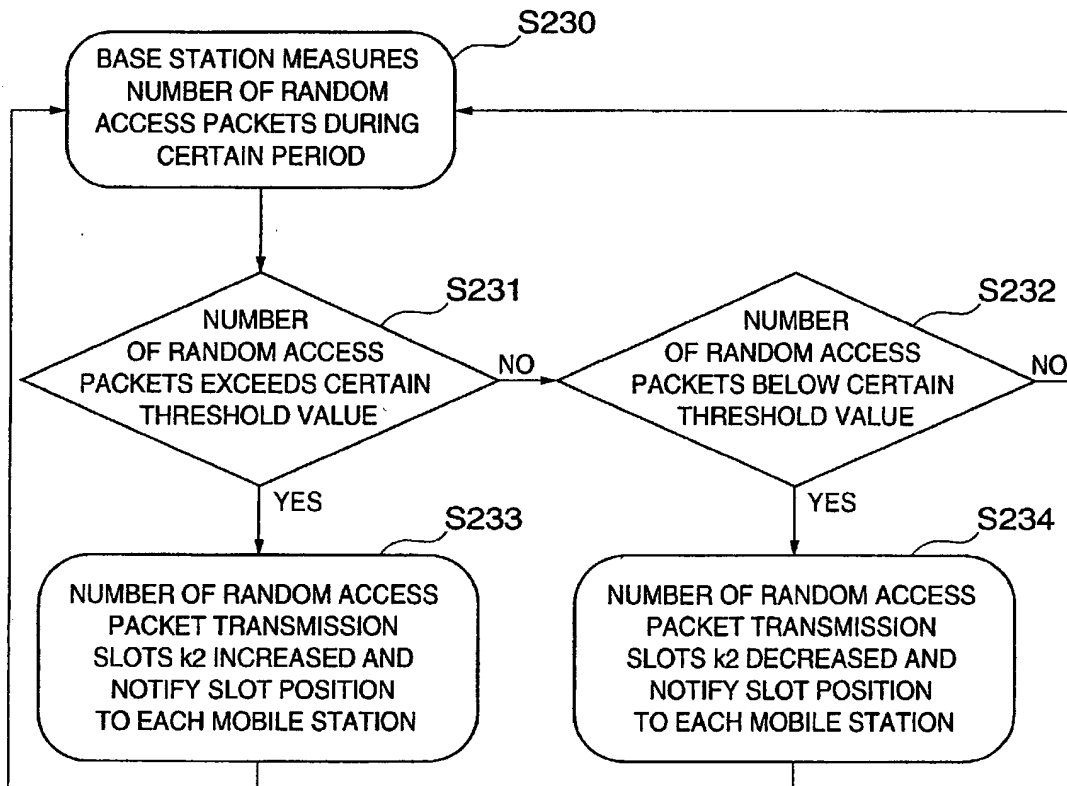


FIG. 34

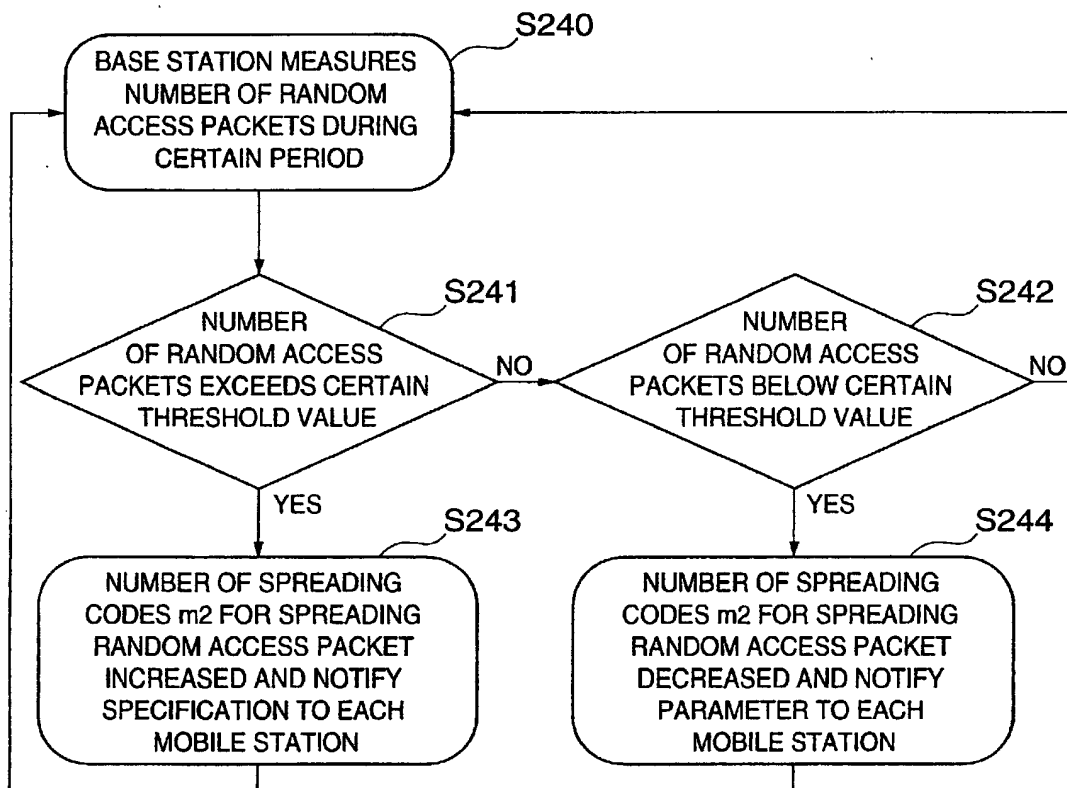


FIG. 35

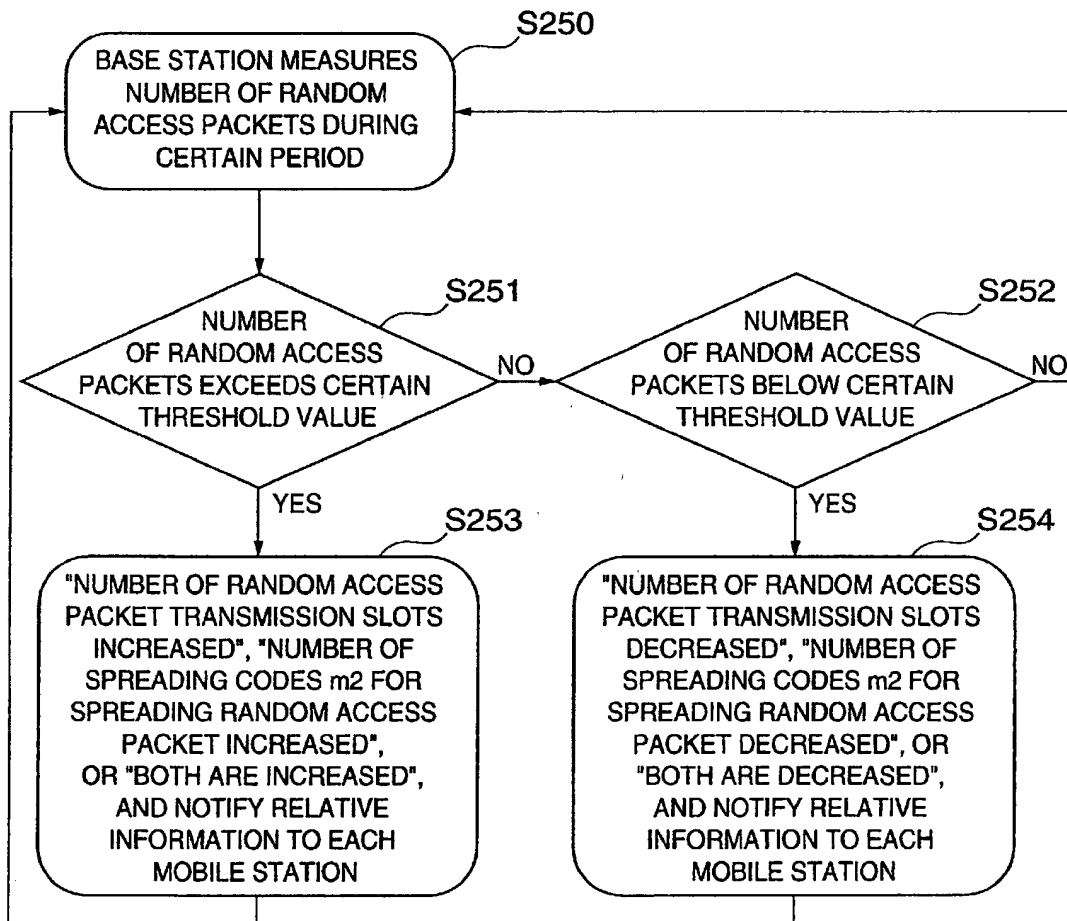


FIG. 36

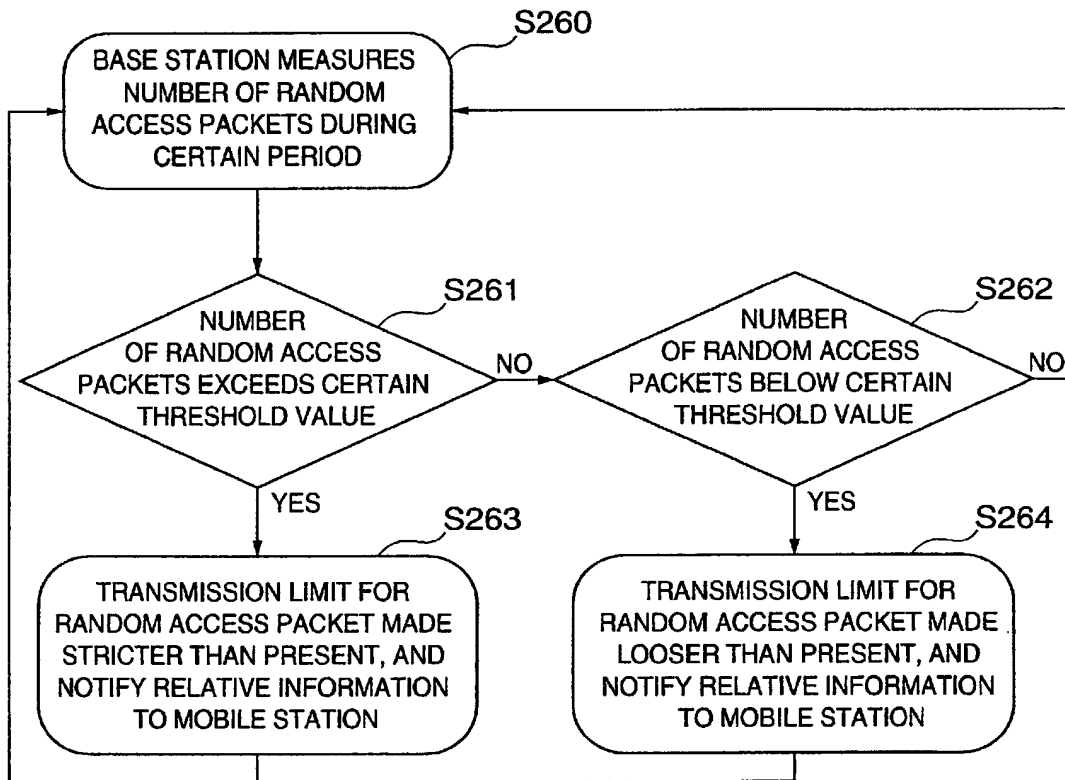


FIG. 37

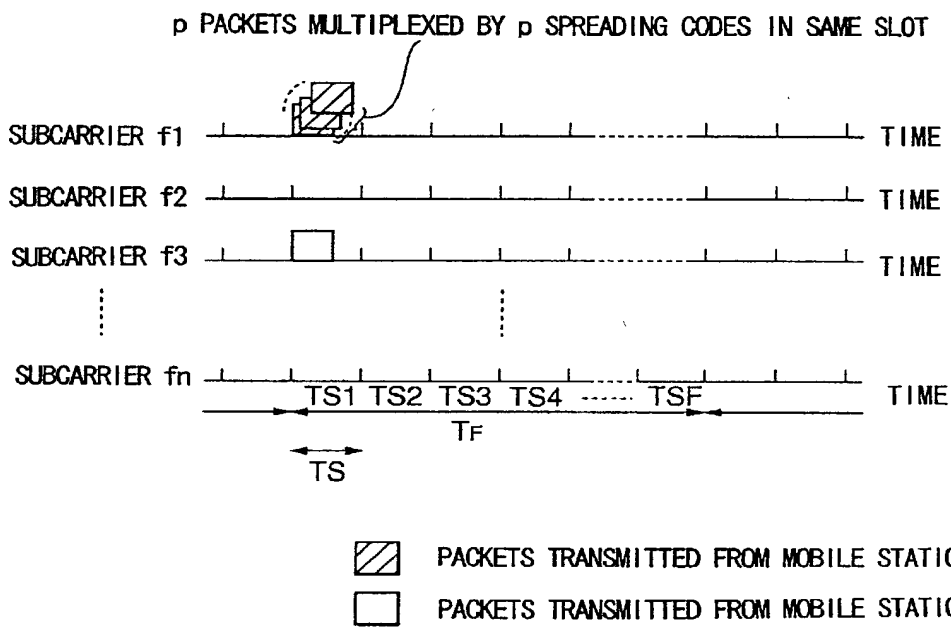


FIG. 38

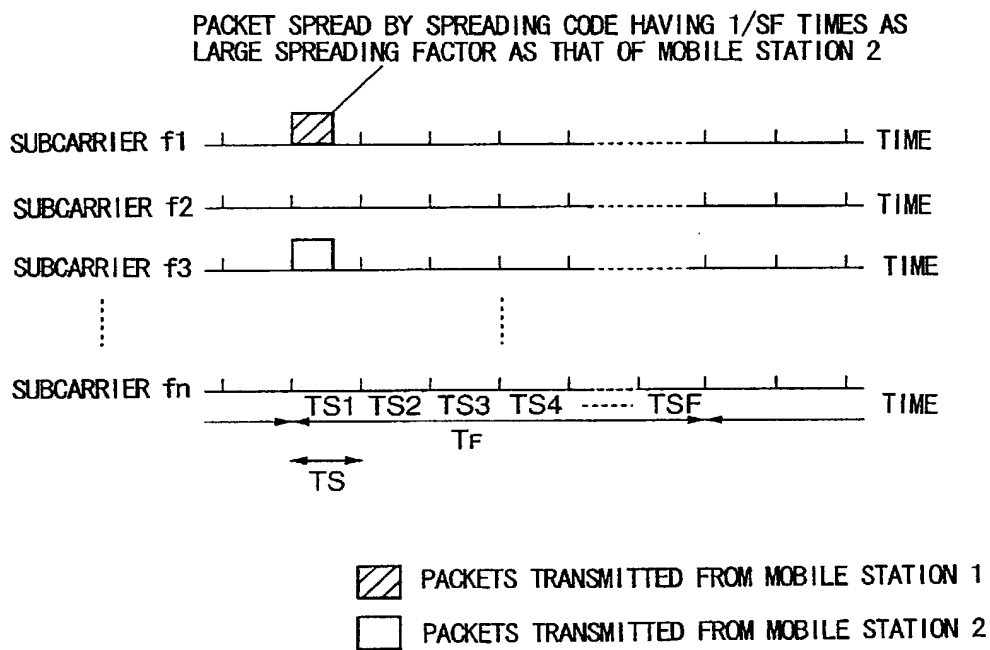


FIG. 39

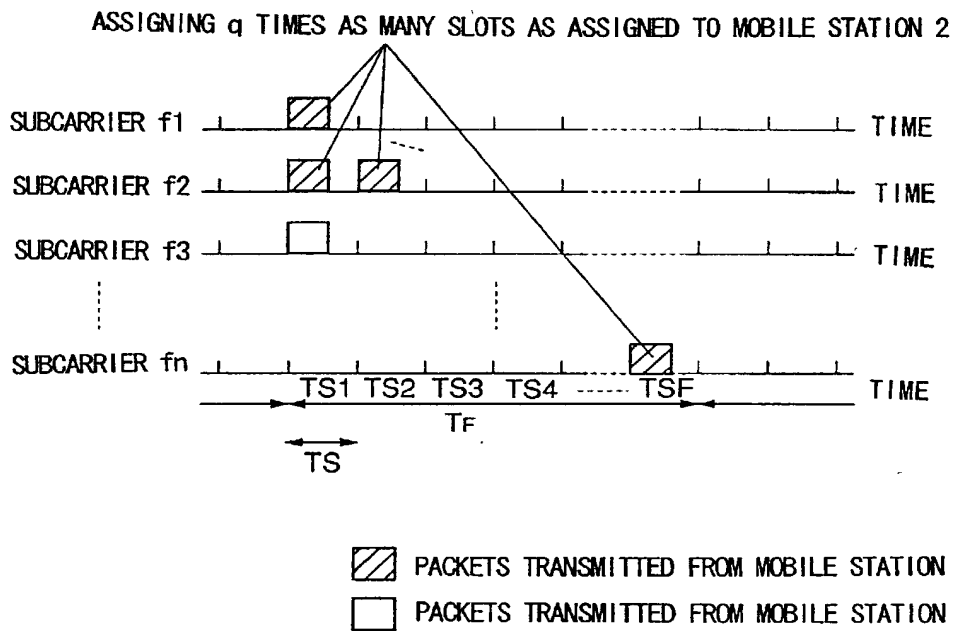
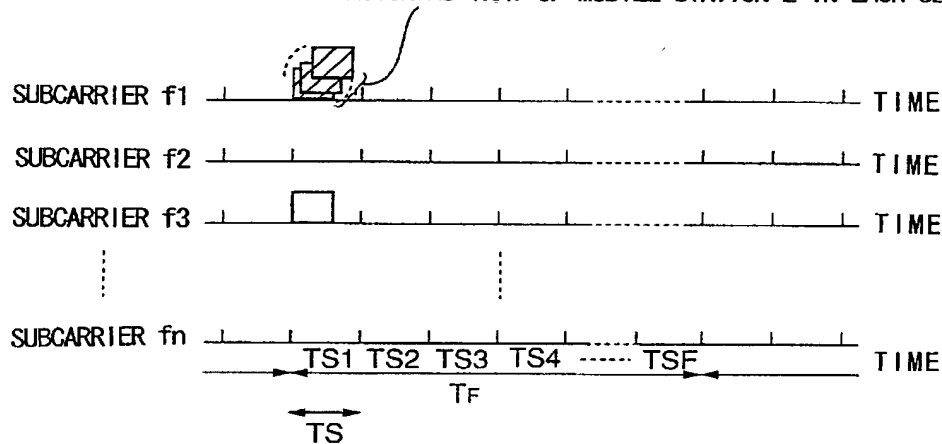


FIG. 40

MULTIPLEXING p PACKETS BY p SPREADING CODES HAVING $1/SF$ TIMES
AS LARGE SPREADING FACTOR AS THAT OF MOBILE STATION 2 IN EACH SLOT





 PACKETS TRANSMITTED FROM MOBILE STATION 1
 PACKETS TRANSMITTED FROM MOBILE STATION 2

FIG. 41

MULTIPLEXING p PACKETS BY p SPREADING CODES IN EACH SLOT ASSIGNED
WITH q TIMES AS MANY SLOTS AS ASSIGNED TO MOBILE STATION 2

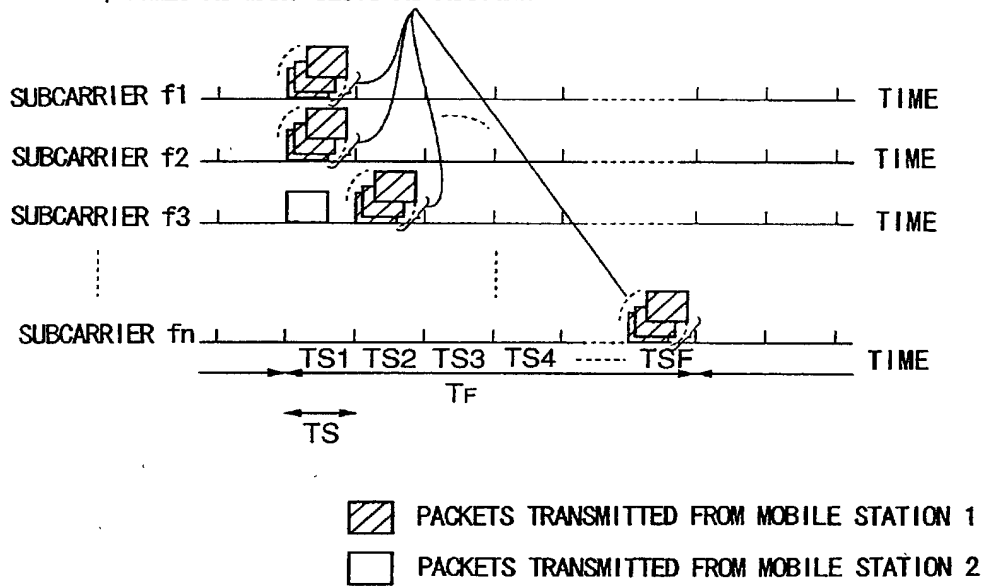
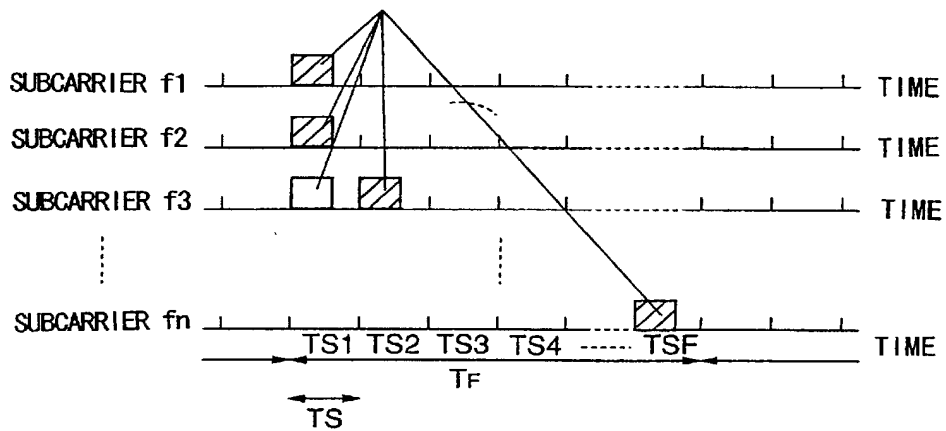


FIG. 42

PACKETS SPREAD BY SPREADING CODES HAVING $1/SF$ TIMES AS LARGE SPREADING FACTOR AS THAT OF MOBILE STATION 2 IN EACH SLOT WITH q TIMES AS MANY SLOTS AS ASSIGNED TO MOBILE STATION 2





-  PACKETS TRANSMITTED FROM MOBILE STATION 1
 PACKETS TRANSMITTED FROM MOBILE STATION 2

FIG. 43

MULTIPLEXING q PACKETS SPREAD BY p SPREADING CODES HAVING $1/SF$ TIMES AS LARGE SPREADING FACTOR AS THAT OF MOBILE STATION 2 IN EACH SLOT WITH q TIMES AS MANY SLOTS AS ASSIGNED TO MOBILE STATION 2

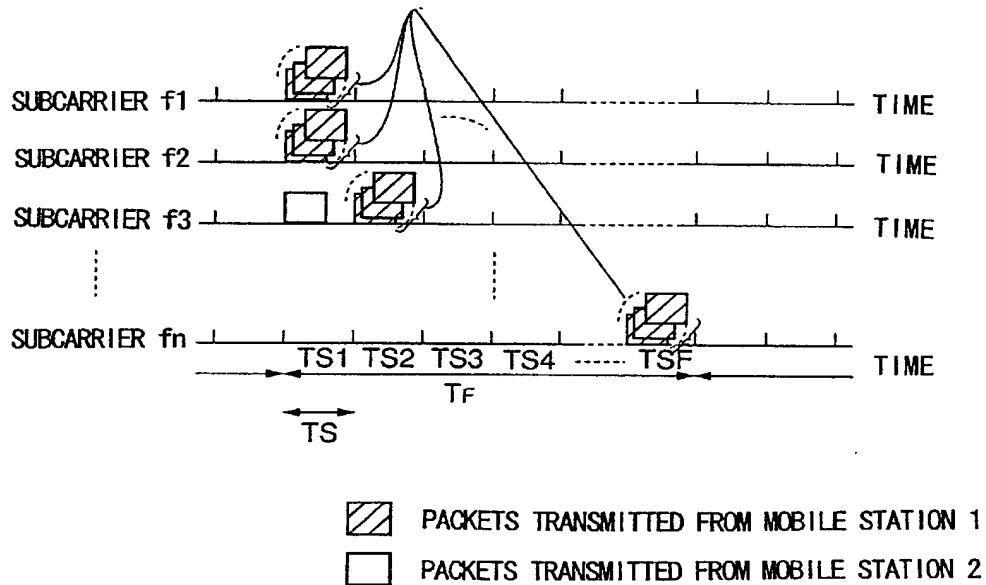


FIG. 44

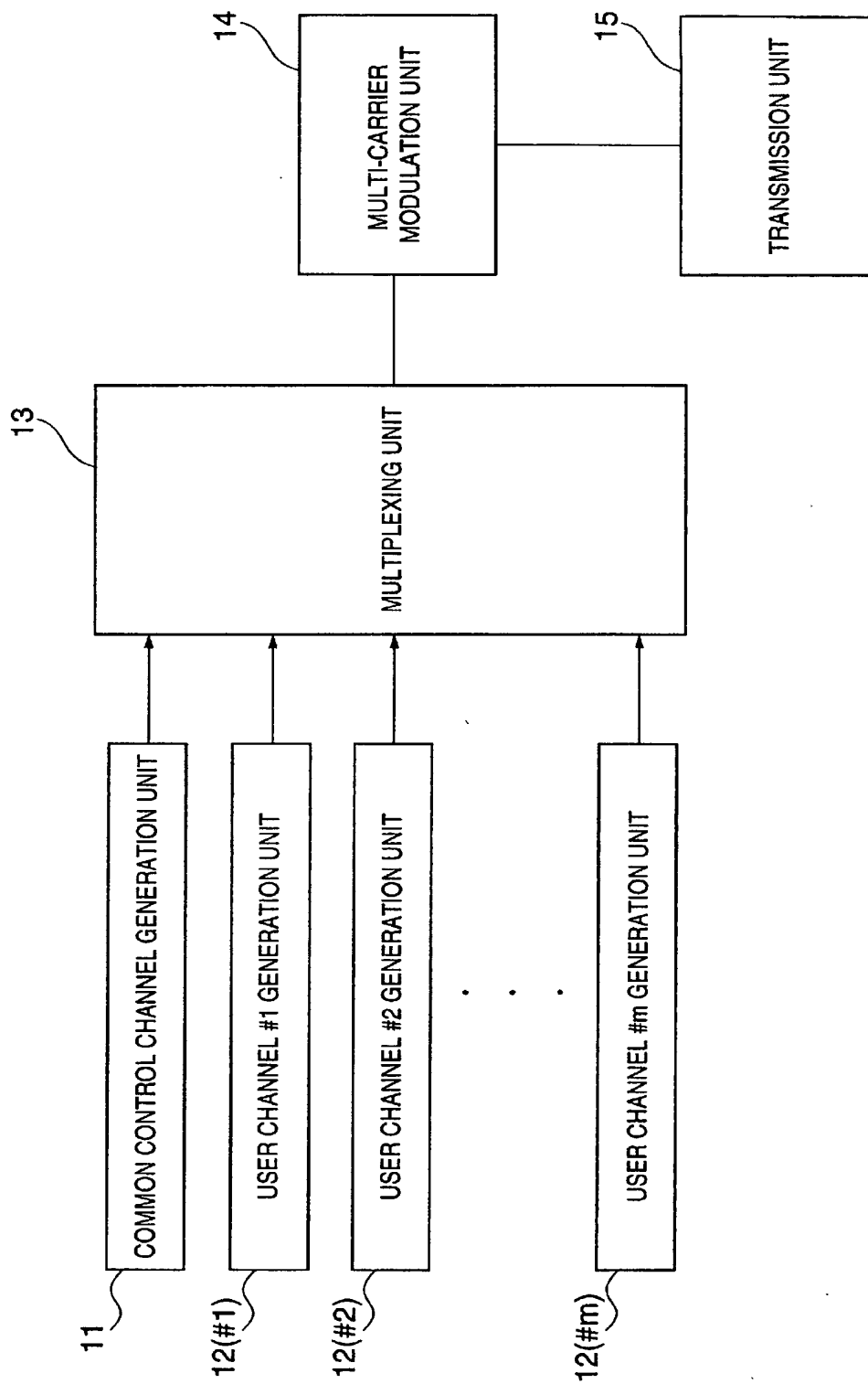


FIG. 45

FIG. 45

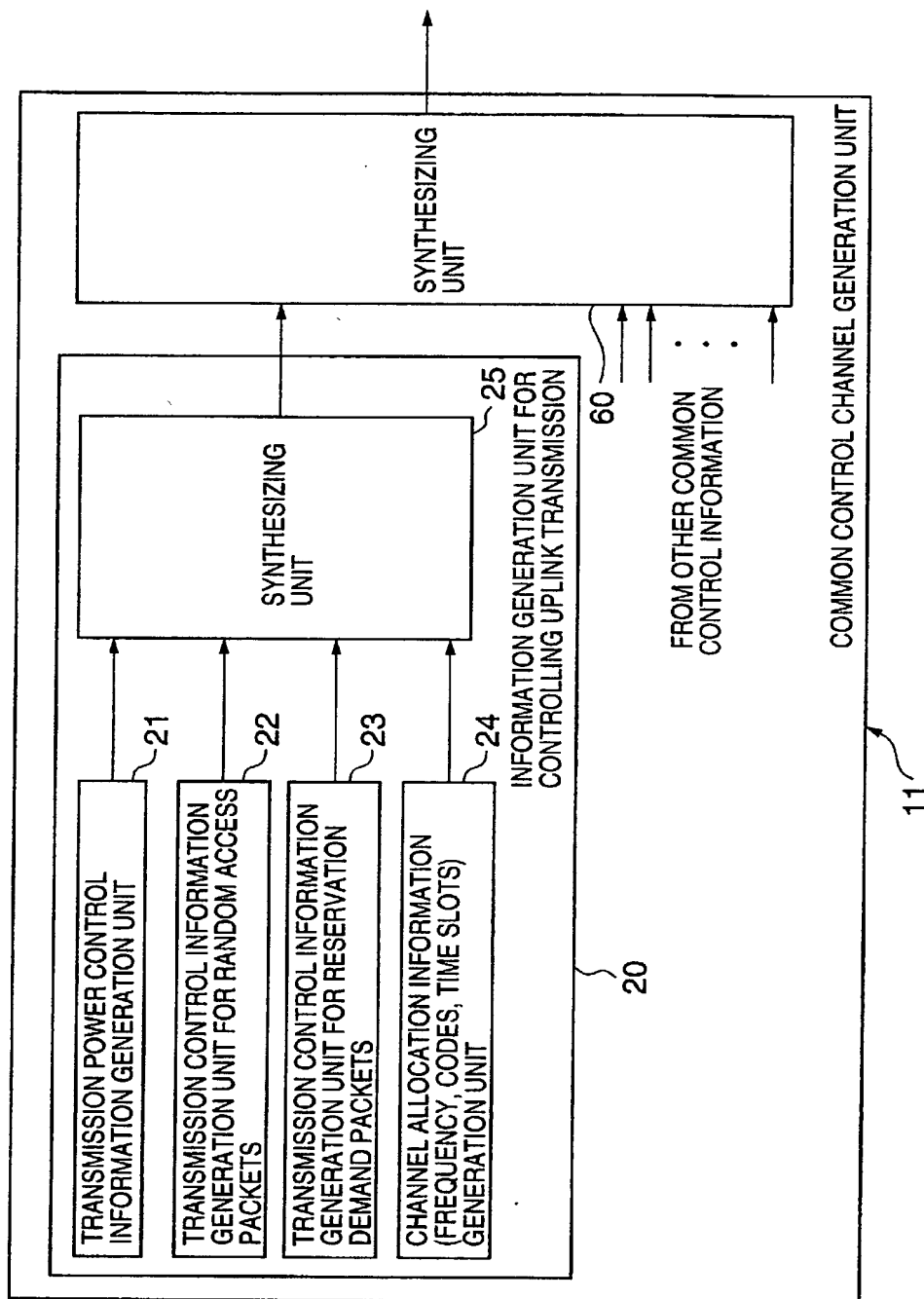


FIG. 46

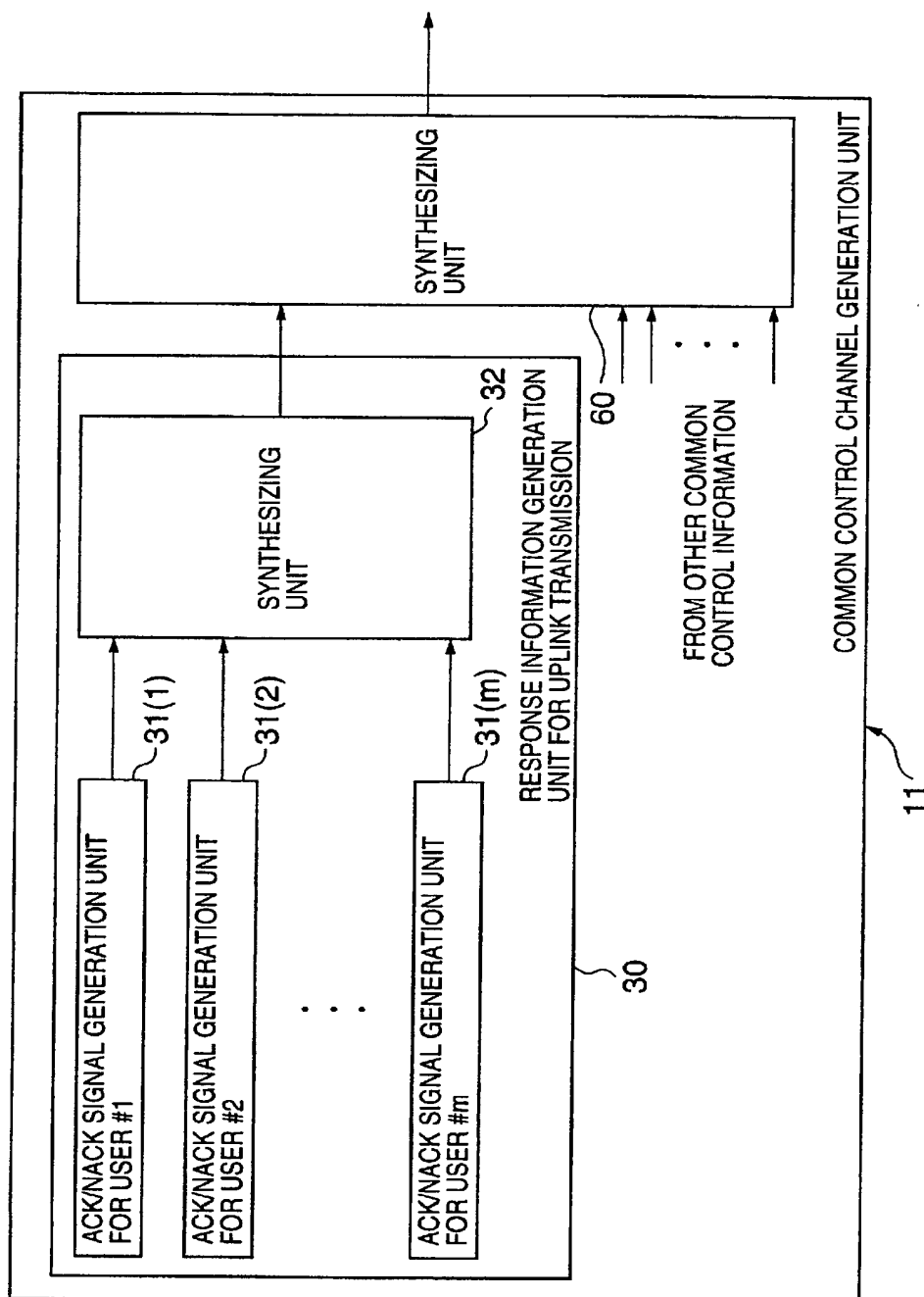


FIG. 47

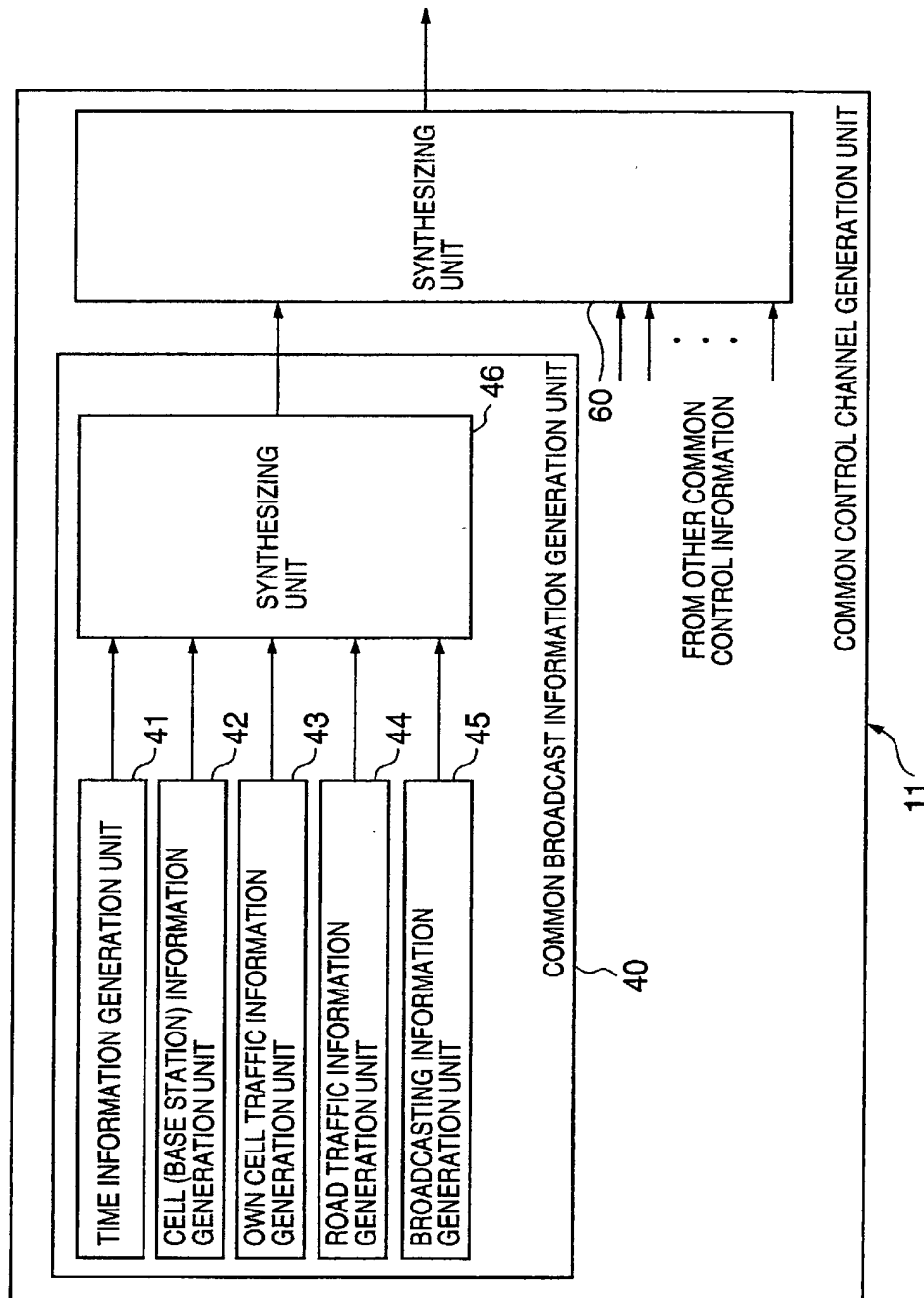
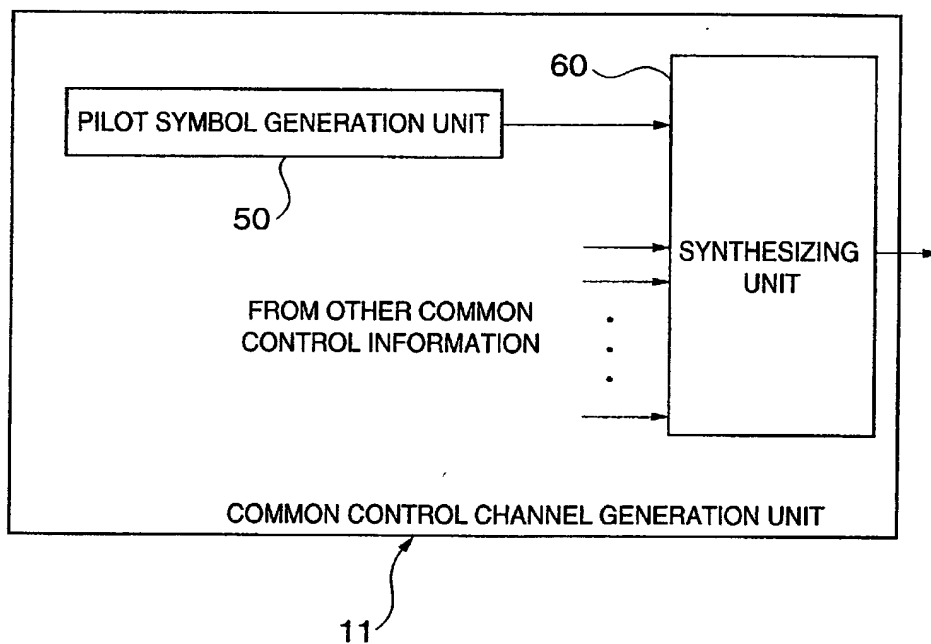


FIG. 48



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FIG. 49

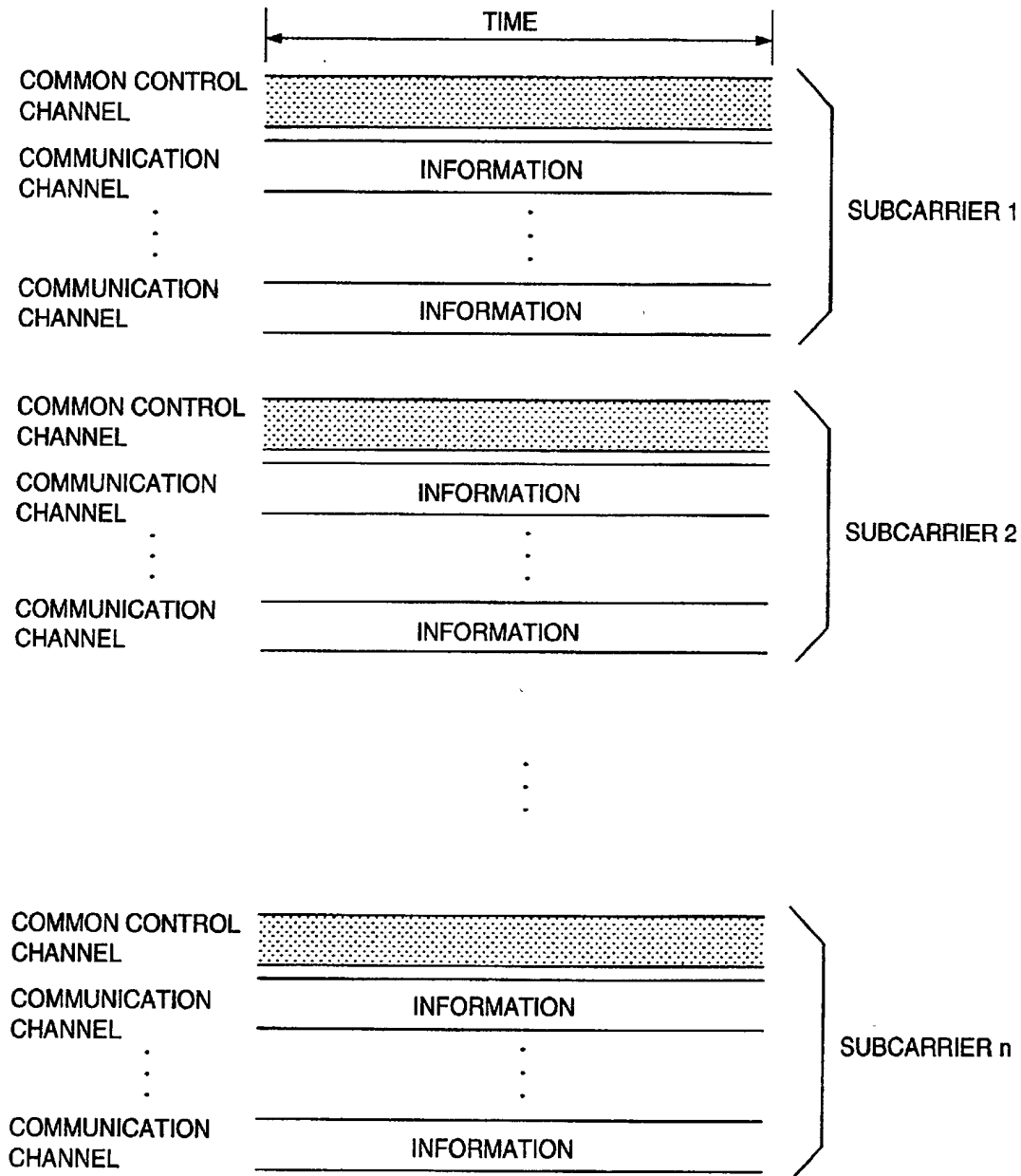


FIG. 50

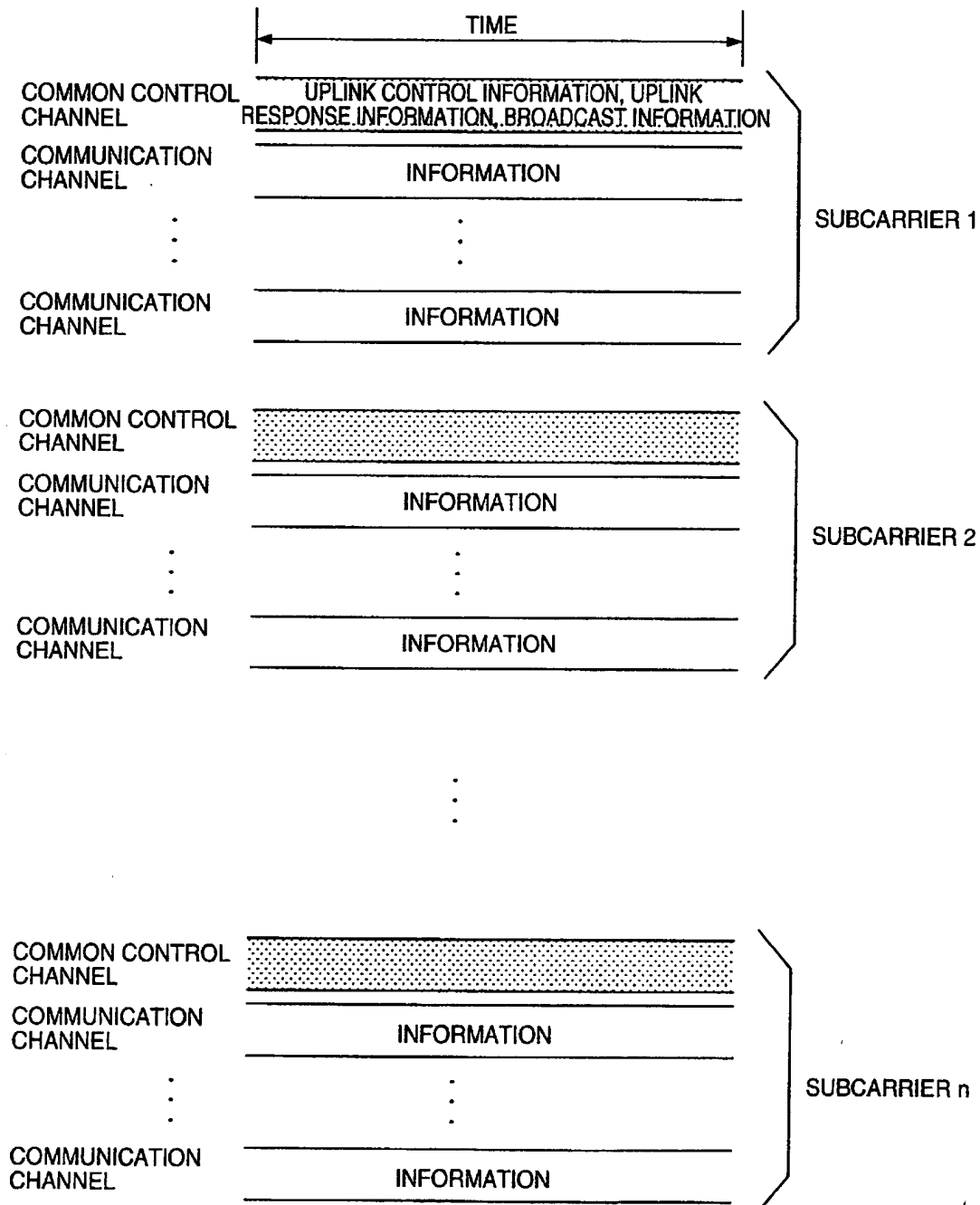


FIG. 51

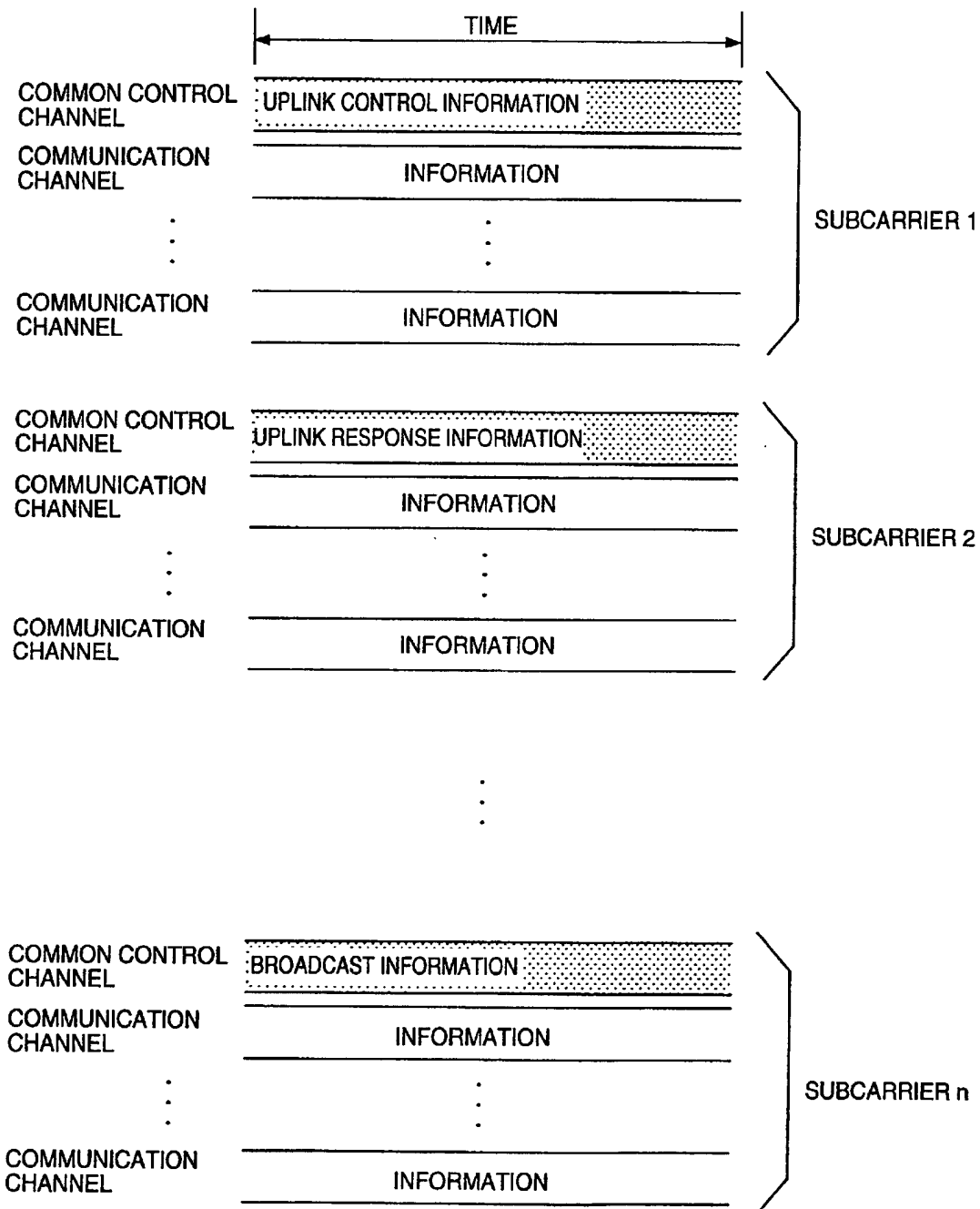


FIG. 52

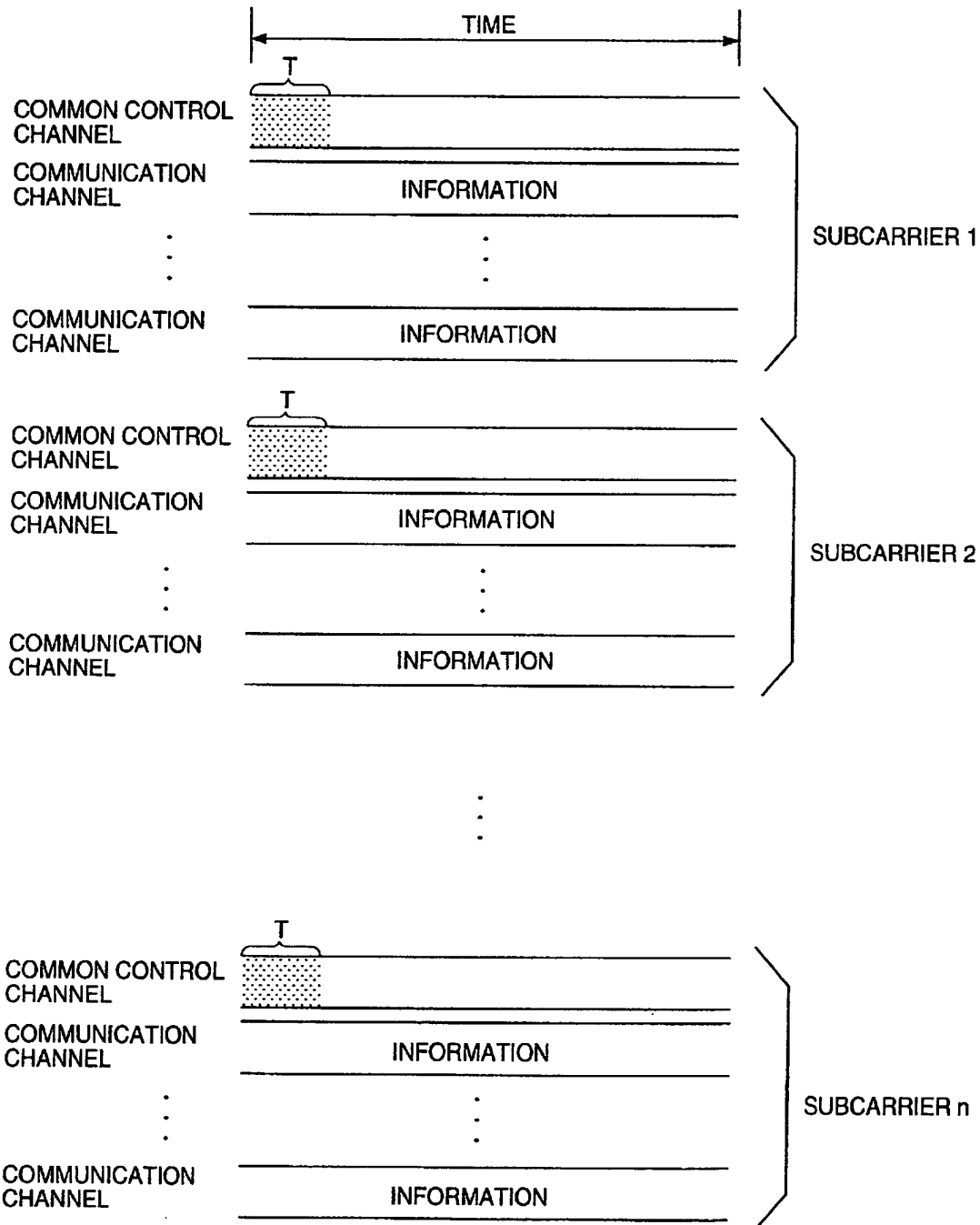


FIG. 53

